

## **Statement of Purpose**

The impact of technology is so pervasive that it is difficult for us to imagine a time without it, and this trend will only continue. A range of technological innovations have occurred from the dawn of time to the present day, which are preserved in the golden pages of our history, demonstrating the extent to which we have gone and how technology influences our present and future. With this awareness advancement of technology and how it might enhance human productivity, I enrolled to Western Sydney University (WSU) in Sydney to pursue a diploma leading to bachelor's degree in Information communication technology major in cyber security.

### **Introduction**

My name is Nikesh Bista. I was born on June 30 2005. My permanent address is Belaka municipality, ward no. 01, Udayapur, Koshi province, Nepal. My father, mother, grandfather and my uncle will be sponsoring my studies in Australia. I am single and never married. I have never travelled outside my country Nepal.

### **Family Background**

I now turn your attention to my family. Mr. Krishna Bahadur Bista and Mrs. Shobha Raut Bista together with my grandfather Tirtha Bahadur Bista and uncle Rajendra Bista.

### **Academic Achievements**

Talking about my academics, I completed my secondary education from Shree Padma Higher Secondary School in 2020 by scoring 3.64 GPA and I continued my further education in same institution because I was aware of the excellence of my institute. I was able to complete my higher secondary education in 2022 securing 2.77 GPA and will do my best in my future academic accomplishments. After completion of my higher secondary education, I joined PTE class for my English proficiency test, I took PTE test on 23 Feb 2023 in which, I scored overall 72 (in the band not less than 70) with scores of 76 in speaking, 75 in listening, 72 in writing, and 70 in reading. There are no educational gaps as I spent over a month studying PTE but took time to be totally prepared.

Even though I did well in school, I continued to participate in various extracurricular activities whenever I had the chance. I participated in a number of team games which helped me better understand what it means to work as a team and put forth a collective effort as a group to achieve a common goal. I was an introvert, but participating in a variety of extracurricular activities and teamwork helped me interact with people and face my fears.

### **Why not Civil Engineering?**

After the completion of my higher secondary education, I learned that there is lack of information technology in our country. Problems regarding cyber security in governmental sites like [www.dotm.gov.np.com](http://www.dotm.gov.np.com) got corrupted and this triggers my mind to take IT with cyber security. Even chrome was restricting from visiting the site warning that its insecure, so I decided to study cyber security. When I did some research in Nepal, I found that there are all most no institutes which provide cyber security course. Some of the institutions like Softwarica and Islington collage

provide those courses but are affiliated to international countries so rather than that, I decided to go abroad for my further studies because I will be able to gain new and more experience and get more to learn about new technology with quality education. According to my research there are more opportunity for IT field rather than civil engineering in Nepal and jobs availability is lot higher for IT in comparison to civil engineering. IT professionals are paid higher and they should not be limited to the local works/projects. Therefore, I kept my mind to study IT degree in Australia than home country's options,

Source: <https://merojob.com/category/construction-engineering-architects/>  
<https://merojob.com/category/it-telecommunication/>

### **Why not Nepal?**

As a result of Nepal's subpar educational system, I'm unsure if I will be able to pursue my dream of studying Cyber security to the fullest. There is hardly any use of research-based education in Nepal. The Nepali educational system places more emphasis on books than on research or hands-on projects. I've received my education in this manner my entire life. I visited several local universities that are regarded as the best in Nepal, but I was unconvinced by their labs and other support activities. Kathmandu University and Tribhuvan University are Nepal's leading universities, ranked 3300 and 3750 in the international rankings, respectively. If this is the finest of the greatest, one can only image what the others are like. Employers in Nepal now favor international graduates over Nepalese graduates. I don't believe my Nepalese degree will place me even in a competitive position. A degree from a world-renowned university will undoubtedly aid me in the exploration of new opportunities. My ambitions are lofty, and I require the same level of knowledge to achieve them. In Nepal, I discovered that there are very few institutions offering courses in cyber security. I chose to pursue my further education abroad since several institutions, such Softwarica and Islington College, offer those programs but charge high tuition because they are associated to other nations. I want to study in a positive environment that exclusively focuses on offering great education to students, which is why I chose overseas education.

### **Why not Canada, USA & European Countries?**

In my quest for the ideal study destination, I diligently conducted research and sought advice from various sources to explore my study options. I consulted with knowledgeable individuals, attended informative seminars, extensively utilized online resources, visited and consulted with educational consultancies, and thoroughly examined official websites of colleges and universities worldwide.

**UK:** During my research, I considered the United Kingdom (UK) as a potential study destination. However, I discovered that the UK's educational system presented certain challenges. The rules and regulations for international students were subject to frequent changes, making it difficult to anticipate and plan for any potential disruptions. Additionally, the high tuition fees and the overall cost of living in the UK were significant considerations that impacted the flexibility of studying there.

**CANADA:** Another country I explored was Canada. Although Canada offers excellent educational

opportunities, I recognized that the extreme cold temperatures prevalent in many regions could pose personal challenges. Considering the importance of a comfortable and conducive learning environment, I felt compelled to explore alternative options.

**USA:** The United States (USA) was another destination under consideration. While the US boasts prestigious universities and a reputation for academic excellence, I noted several factors that influenced my decision not to pursue my studies there. Comparatively higher tuition fees and living costs, when juxtaposed with alternative study destinations such as Australia, posed financial challenges. Additionally, concerns surrounding security issues and associated problems were additional factors that influenced my decision.

By undertaking a comprehensive evaluation of various countries as potential study destinations, I weighed numerous factors, including academic reputation, cost of living, tuition fees, and overall suitability for my personal and educational goals. Through this meticulous research process, I determined that pursuing my master's degree in applied information technology in Australia would be the most advantageous choice, as it aligns with my academic and career aspirations while offering a conducive and supportive learning environment.

### **Reasons for choosing Australia**

When I first considered studying abroad after high school, the first country that came to mind was the Australia for a variety of reasons, including the flexible education system, the availability of practical and research based opportunities, the flawless academic and adequate infrastructure and impressive assistance for international students. Considering the benefits and drawbacks of studying in these countries, I picked Australia above these others. Australia provided me with everything I was hoping for. It is a secure country that offers excellent education at a reasonable cost. Studying abroad is a life changing experience that may foster students' development in a variety of ways. They may get fresh viewpoints and insights that they may use throughout their life as they grow more autonomous, self-assured, and adaptive as a result of it. According to my research and what I have heard from others, Australia is the best place to pursue cyber security. With more than 4,500 institutions and colleges, Australia offers 10 times higher education opportunities than any other country, making it easier to reach my career goals with so many choices. Another interesting aspect is the Tuition Protection Services (TPS) statute, which covers students' tuition fees if the enrolling school fails to complete the entire course. Similarly ESOS Act 2000 benefits international students. Furthermore, it features 5 of the world's 30 greatest student cities in terms of student mix, affordability, and quality of life. These are the factors that I consider before deciding on the right destination. It was only natural for me to pursue my undergrad in cyber security major in software engineering from Australia, which has one of the best educational systems in the world.

### **Why Sydney?**

The combination of sun, sea, sand, and students is ideal for university life. Australia's most populous metropolis is constantly a bustle of activity and movement. Sydney is a wonderful location to live with a good quality of life. It boasts a strong economy, a standard of living, and a pleasant environment.

Furthermore, Sydney boasts one of the lowest crime rates in Australia, with just 1% more than the national average. Sydney institutions are internationally recognized for their academic research, with Sydney University and UNSW both ranked in the world's Top 100 and being members of Sydney's elite Group of Eight top research-intensive universities. Sydney is a cultural city where I can always discover the greatest music, art, dance, comedy, and theatre on any given night of the week. Despite its cultural and busy nature, Sydney has a pleasant village vibe, with tiny areas of local markets, exquisite shops, independent cafés, pubs, and restaurants, and friendly crowds. Sydney has a sunny climate year-round; thus, the weather is usually pleasant. Temperatures rarely fall below 18 degrees Celsius during the day, even in winter, making Sydney the finest place on the globe to live and study.

Besides, I choose it for cultural diversity, nice public transportation, facilities of public libraries etc. I think a right exposure can teach more than a syllabus, therefore this became my first choice.

**Source:** <https://iglu.com.au/5-reasons-to-study-in-sydney/#:~:text=Home%20to%20six%20Australian%20universities,Eight%20leading%20research%2Dintensive%20universities.>

### Why not Other Universities in Australia?

College/university	Fee	Duration (in weeks)	Remarks
Western Sydney University	\$AU 98,172	156	Offers the course of my interest at affordable price in a prime location.
Southern Cross University	\$AU 102,480	156	Comparatively expensive. In the course IT there is low learners engagement rate than WSU
Macquarie University	\$AU 125,145	156	Expensive fee structure. Social equity is low, learning resources are poor, student support seems not good.
University of Wollongong	\$AU 107,682	156	Expensive fee structure. (Quite far away from the main city)

### Why WSU?

For my education, I consulted my maternal uncle for some suggestion he immediately mentioned Western Sydney University. Even though he mentioned WSU, I researched some universities like Macquarie University, University of Wollongong and Southern Cross University and reassured that comparatively WSU was the best option as it was globally recognized; it fits in my financial condition, and is located in Sydney and has multiple campuses in Sydney which make it more

flexible. WSU's Diploma leading to Bachelor of Cyber Security is the only cyber security degree in Australia that analyses both the technical and human side, and places you at the forefront of a dynamic digital world. WSU is ranked in top 2% of the universities worldwide and also in top 50 young universities. By choosing WSU, I will be assuring academic reputation and global recognition.

Source: <https://www.westernsydney.edu.au/future/study/courses/undergraduate/bachelor-of-cyber-security-and-behaviour.com>

Besides that, the positive responses and feedbacks, not just about the teaching faculties but also about the dynamic and culturally rich environment from the students who previously attended the university grasped my attention even more. The on-campus facilities such as libraries, computer laboratories, wireless internet accessibility, cafes, bars, gyms, and a lot of open space to enjoy could prove to be more than helpful for a great learning environment for me. Most of all what attracted me to the university is the wide range of elective subjects to choose from during my course of study. Studying Diploma leading Bachelor of Information and communication technology (Cyber Security) in Western Sydney University will help me achieve my academic goals. There are colleges located in several locations such as Banks town, Campbell town, Hawkesbury Parramatta city, Sydney city, etc. that offer study programs for the students. All the campuses are very easily accessible and provide a wide range of courses to choose from and also have infrastructures and services required by the students such as administrative, residential and other student service. As per the website of the university, the campus located at Parramatta city provided the course I was interested in. The campus premise has a library where various research papers, journals, study materials and other necessary books can be found which solves the hassle to browse for books outside the campus. Additionally, the wide range of recreation, sports and entertainment facilities offered by the campus helps in keeping the students relaxed and motivated.

### **Course Requirements:**

The description of the course requirements as per the site

[https://www.westernsydney.edu.au/content/dam/digital/pdf/international/INTL0910\\_Entry\\_Qualifications\\_v07.pdf.com](https://www.westernsydney.edu.au/content/dam/digital/pdf/international/INTL0910_Entry_Qualifications_v07.pdf.com) :

For Bachelor of information and communication technology (Major in cyber security):

Nepalese Higher Secondary Certificate with a grade of 80% (Year 11+12) (pre-2018) or Nepalese Education Board Year 12 with GPA 2.9 in best 4 academic subjects or Nepalese Proficiency Certificate (10+3) with average grade of 75%.

### **For Diploma in Information and communication Technology:**

Successful completion of Nepalese Higher Secondary Certificate with average grade 70% in final year results (pre-2018) or Nepalese Education Board Year 12 with GPA 2.6.

Subject specialization and core content of my proposed course is Cyber Security Management, Compliance and Governance Cyber Security Plan- cyber security policy, cyber crises management plan, Business continuity, Risk assessment, Types of security controls and their goals, Cyber security audit and compliance, National cyber security policy and strategy.

### **About this Specialization:**

The Cybersecurity Specialization covers the fundamental concepts underlying the construction of secure systems, from the hardware to the software to the human-computer interface, with the use of cryptography to secure interactions.

Source: Google

(<https://www.google.com/search?q=subject+specialization+and+core+content+of+cyber+security+course&oq=Subject+specialization+and+core+content+of++cyber++course&aqs=chrome.1.69i57j33i160i579.17529j1j7&sourceid=chrome&ie=UTF-8>)

### **Reason for choosing Diploma Leading to Bachelors of Information Communication Technology (Cyber Security)**

Not to mention we are just on the verge of entering the Age of Artificial Intelligence, which means that the potential for AI applications is virtually limitless. Yet, it will necessitate network and software of almost inconceivable complexity and security. And it's no surprise that cyber security engineers will be in high demand for the foreseeable future. As pioneers in technology, they surely will have a bright future, at least in a few decades.

I studied diploma in civil engineering in Nepal. If I think back, I was very young and could not decide then which engineering career to pursue. Also, I did not think about my future career goal as seriously as I am currently. Now I have realized that our world is changing and AI is practically everywhere. There is a bright career pathway anywhere around the world. I have seen development in information and communication technology in Nepal and if I pursue a degree relevant then I have limitless opportunities in Nepal. Similarly I studied mathematics which could surely be supportive to complete my IT degree. Therefore, my interest, revolution in IT industry and high demand in global market played the vital role for me to select this degree.

After accruing a degree in information and communication technology (cyber security), I intend to assist my country and the government of Nepal in the production of new applications and other related stuff.

There is a lack of cyber security engineers in Nepal, so I get the verities of opportunities here in Nepal once I complete my education from overseas. New knowledge gained from overseas will benefit my nation. As this is the era of information and communication technology and as there is a lack of cyber security systems in my country, I see a very large scope and Ohuge amount of opportunities that lie in this field of career. There is so much lack of cyber security in my country that there are very less number of institutes that provide cyber security courses and most of them are affiliated with international institutes.

### **Details of Program**

I can learn a lot about the field by enrolling in Diploma leading Bachelor of cyber security program. The course is intended to give learners like me the necessary knowledge and abilities to succeed in the field of cyber security. They offer a variety of learning opportunities, including industry-based experiences where I can gain knowledge of events that take place in the real world. The degree makes students like me competent enough for the working environment soon after graduation.

The Diploma leading to bachelor of Information and Communications Technology is a three-year program accredited by the Australian Computer Society. It meets the demands of business to be competitive and to innovate in this fast-changing area. Students build strong foundational skills, and then apply these to a range of industry relevant problems and projects as part of work-integrated learning. To complete the degree, students do a major to specialize in topics, such as, cyber security, cloud computing, multimedia computing. Students also have options to do a minor. This is a challenging and rewarding degree with an ever-expanding range of employment options.

### **Course structure**

The Diploma leading Bachelor of Cyber security course is made up of a major stream or specialism and elective units.

Major Stream:

- System analysis and design
- Application development
- Program design
- Networks
- Web development and implementation of technology

Elective units:

- Networking and cloud computing
- Software development

Source:

<https://www.westernsydney.edu.au/future/study/courses/undergraduate/bachelor-of-cyber-security-and-behaviour.com>

<https://hbook.westernsydney.edu.au/programs/bachelor-information-communications-technology/>

### **FUTURE CAREER PLANS**

When I will finish my studies in Australia, I will go back home. My short term career goal is to work in a reputed company in a Nepal with the position of Cyber Security Specialist whereas long term goal is supported by Cyber Security Consultant for providing quality ideas to the many established companies (**Verisk Nepal, Deer Walk, GurzuInc, Elscript Technology** etc.) and new startups In Nepal; I will have a great career. Ethical hacker, security consultant, security engineer, computer forensics investigator, and security software developer are just a few of the top cyber security careers I can pursue, but I initially chose the latter because it will enable me to better understand the software development culture and security features in Nepalese businesses. I will have a comprehensive understanding of the firms' internal structure and global network at that time. In my first five years of employment, I mostly concentrate on network and security threads and bugs as I have to elite professional in the same work. During this time, I will return my investment in the form of salary, skills, experience, network and understanding. I set a plan to work in Nepalese companies who have great business in Nepalese IT arena for a decade and move to my next project after gaining a lot of real field experience and networks. In first five years of my

professional career I do not have much expectation of remuneration however after five years of experience I will be able to earn approximately 8,55,000.00 NPR per month with few other benefits. Similarly, this degree is paid \$108,001 per year in average in Australia. I cannot see the huge difference in income therefore there is no meaning of staying Australia.

<https://www.glassdoor.com.au/Salaries/>.

<https://worldsalaries.com/average-cyber-security-specialist-salary-in-nepal/>

For short term goal, I will go through various job portal sites (merojobs.com, Kumarijob.com, merorogari.com etc.) in Nepal for finding the job at the beginning. For this I need to study the company's profile, their requirements and need to prepare my CV accordingly. Interview preparation is other prime concern while applying those jobs as I need to beat other candidates. But fortunately in Nepal there will be less competition due to the skill man power shortage. I hope with my international degree I will be able to crack the job interview and able to be the part of one of the reputed companies.

My ambition to contribute to my community and country is my long-term aim, which is well established in my thoughts. With the help of my family, friends, and the whole professional and social network I will develop throughout the first ten years of my career, I can carry out my plan with great success. The budget can be projected with market inflation. I have been able to save up at least 50,000 NPR since I started working, and with my parents' permission, I will also take out a business loan for an additional 50,000 NPR to start and manage my consulting firm. I need to assemble a team, develop a business strategy, and consult a financial advisor. A successful implementation of the strategy will lead me to success on my career's dream project. Market research, registration, and other legal requirements are additional key aspects of launching a firm. Thus, I hope to obtain both career goal with a degree earned from WSU in Australia.

### **Incentives to return to Nepal**

My desire to go back to Nepal after finishing my studies in Australia is significantly influenced by a variety of factors, including my desire to advance professionally, my desire to maintain family links and cultural origins, and the presence of ancestral property. The exciting employment options Nepal has to offer are one of the main things luring me back. I can see myself flourishing with my advanced degree at prestigious firms across the nation as a cybersecurity consultant, cybersecurity specialist, cloud security engineer, or even network security engineer. To obtain expertise and a better understanding of the market before starting my outsourced firm, I first joined a recognized organization. Since there is no competition, I can hire labor in Nepal for a low price and profit the most.

The strong links I have to my family and my culture, in addition to the professional opportunities, are what motivate me to go back. Reuniting with my family, establishing relationships with my extended family, and helping to build my local community all appeal to my core morals. My identity has been created by the vibrant traditions, festivals, and customs that make Nepal special, and I can't wait to fully immerse myself in it. To ensure that future generations may honor their roots while accepting technological improvements, I'm going back so I can actively contribute to conserving and promoting our cultural legacy.

A strong basis for my pursuits is also provided by the existence of ancestral property in Nepal. It



gives me a sense of security and community, which helps me carve out a solid niche for myself in the neighborhood employment market and contribute to the socioeconomic development of the country. This possession also serves as a concrete link to the past and heritage of my family, which strengthens my resolve to have a significant influence on Nepal's technical scene.

In conclusion, there are many strong reasons for me to go back to Nepal after earning my bachelor's degree in Australia. I'm motivated to offer my knowledge and experience to the expansion of Nepal's cybersecurity industry by the prospect of career growth and promotion as a cybersecurity consultant, cybersecurity specialist, and cloud security engineer. I am also able to leave a lasting impression on a personal and professional level because of the pull of family ties, cultural roots, and inherited property. I am confident in my abilities to contribute to the advancement of the country while maintaining and honoring our cultural tradition by fusing my love of technology with the rich heritage of Nepal.

### **Financial Arrangements**

I come from a financially sound family. We have properties with good value, and my parents are engaged in work and have enough regular income. My parents will be assisting me financially with my higher education and our stay in Australia. I explained to them all the study and living expenses incurred during our stay in Australia, and they were more than happy to assist us financially. My father, Mr. Krishna Bahadur Bista, has been working at Sambriddhi News and Network as Managing Editorial since 2021 A.D. and has been earning NRs. 600,000.00 (equivalent to approx. AUD \$6,818.00) annually. Along with his job, he has lent his land, having plot no. 32, to a company named La Fabric Boutique, from which he earns NRs. 400,000.00 (approximately AUD\$4,545.45). My mother, Mrs. Shobha Raut Bista, is an employee at Nepal Television as a makeup artist and earns an annual income of NRs. 470,628.00 (equivalent to approximately AUD 5,348.04). As I mentioned above, my uncle is also willing to help me financially and earn a fair amount of income annually. He has been working at Agricultural Development Bank as a senior section officer since December 16, 2007, and has been earning NRs. 1,154,798.40 (equivalent to approximately AUD\$ 13,122.70) annually. My sponsors have a genuine source of income, which I believe will suffice for my studies and my living and travel expenses. So, I will not have any financial problems during my stay in Australia. We earn a total of NPR 2,600,000 per year. To pay for my education and living expenses, my father also obtained an NPR 5,000,000 education loan from Global IME Bank. I want to reassure you that my parents will have no trouble paying for my living expenses and college costs while I'm studying abroad in Australia. Except for our annual income, we do have our ancestral property (552, 516, and 552) located in Udayapur district, which is worth around NRs. 28,015,050.00 (approximately \$318,352.84). The lands are registered in the names of my grandfather and my father.

### **Student Visa Conditions:**

Finally, I would like to confirm that all of the provided documents and information are genuine. As a student in Australia, I assure you that I will obey all of the visa conditions described in visa subclass 500. Under the guidelines of SSVF by the department of immigration:

- My application should show evidence of my eligibility for Genuine temporary entrance (GTE).
- I must complete Confirmation of Enrollment (COE) before processing for a student visa.

- I can generally stay in Australia until my course ends.
- I need to inform my address a week before joining the university.
- I must provide evidence of health insurance.
- Applications are received as per Australian Eastern time.
- I can only work 40 hours (about 1 and a half days) a fortnight.
- I must not overstay my visa.

I accumulated all this data from:

<https://immi.homeaffairs.gov.au/visas/getting-a-visa/visalisting/student500>

### **Migration history**

No, I have never migrated outside of my nation before, and as of right now, my visa history is clean.

### **Conclusion**

Being a student in Australia will be a fantastic opportunity. Since neither my family nor I have ever left Nepal for another country, we have a spotless record and have never broken any laws abroad. My family and I are from a well-respected family in our community, and neither my father nor I have a criminal record in Nepal or any other nation. Finally, I want to reassure you that I will respect law and order and that, with hard work and dedication, I will earn an excellent degree on time. Along with other supporting documents, I have enclosed all the necessary academic and financial records for my application. I'm hoping that my academic and extracurricular credentials will help me stand out as a candidate for a student visa. I sincerely hope for a positive response and would be grateful if you gave me the chance to realize my dreams.

**Sincerely yours,**

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