Institute of Engineering
Pulchowk Campus
Tribhuvan University
Lalitpur, Nepal

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Er. AYUSH PARAJULI

CAREER OBJECTIVE:

To pursue a career in the advancements in innovation and technology in a specific field such as software development, data analysis or system design aiming to make a positive impact on technological advancement and ultimately society.

WORK EXPERIENCE:

- **MIS Executive** (July 2025 - Present) - Celltron Nepal Pvt. Ltd.
  - Managed and maintained organizational data using Excel and Power BI for decision-making
  - Handled EMI for smartphone brands Honor, Infinix and Oneplus
  - Coordinated with different departments and organizations to collect, verify, and update data
  - Prepared daily, weekly, and monthly management reports on sales, inventory, and operations
- **Research Assistant** (September 2024 – February 2025) - SVEDAC Pvt. Ltd.
  - Assisted in data collection, cleaning, and analysis for research projects
  - Conducted literature reviews and supported report writing and documentation
  - Supported field surveys, questionnaires research findings and presentations

ACADEMIC QUALIFICATION:

S.N.	Level	Board	Institute	Major subject	Passed year	Remarks
1.	Master	Tribhuvan University	Pulchowk Campus	Computer System and Knowledge Engineering	(Ongoing)	_
2.	Bachelor	Tribhuvan University	Pulchowk Campus	Computer Engineering	2024	71.54%
3.	School Leaving Certificate (10+2)	National Examination Board	Motherland Secondary School	Math Chemistry Physics	2019	3.10
4.	Secondary Education Examination	National Examination Board	B.M.G Secondary School	_	2017	3.25

TECHNICAL SKILLS AND ABILITIES:

S.N.	Techniques	Skills and abilities
1.	**Laboratory Techniques**	Proficient in utilizing laboratory equipment, conducting experiments, and managing technical systems
2.	**Data Analysis**	Skilled in analyzing and interpreting data using statistical methods and software tools for problem-solving and decision-making
3.	**Research Skills**	Capable of designing, executing, and reporting on research projects, demonstrating an understanding of research methodologies and techniques.
4.	**Communication Skills**	Have effective communicating of scientific finding through oral presentations, written reports and scientific problems.
5.	**Technical Writing**	Proficient in writing technical documents, including reports, research papers, and proposals, adhering to standards and guidelines

6.	Software Development Tools	Proficiency in utilizing software development tools and technologies, including IDEs, version control systems, debugging tools, and other software engineering tools
7.	Teamwork	Collaborative skills demonstrated through participation in group projects, team-based research, and collaborative efforts within teams.
8.	Understanding of principles	Knowledge of ethical principles and regulations governing computer engineering research and practice, ensuring adherence to ethical standards in project development and implementation.

AREAS OF STUDY AND INTEREST:

- **Data Engineering**
- **Data Analyst**
- **Business Intelligence**
- **Management System**
- **Artificial Intelligence**
- **Machine Learning**

Project Details:

1. **Data Warehouse and Business Intelligence (8th semester):**

Project Name:	ETL Pipeline and Power BI (LIS Nepal)
Project Description:	Worked under LIS Nepal to develop an ETL pipeline using Snowflake and create interactive Power BI dashboards to digitalize sample database. The project followed industry standards for data modeling, automation, and reporting.

2. **Major Project (7th and 8th semester):**

Project Name:	Routine Management System

Project Description:	The purpose of this project is to properly manage the routine by creating and assigning it to the respective teachers and digitalize the system for Department of Electronics and Computer Engineering, Pulchowk Campus.

3. Computer Network (7th semester):

Project Name:	Network design of Western Regional Campus (Pashchimanchal Campus)
Project Description:	Utilized Cisco Packet Tracer to design the network infrastructure for the Western Regional Campus (Pashchimanchal Campus). Developed a scalable topology, configured VLANs, and optimized IP addressing schemes

4. Minor Project (6th semester):

Project Name:	Video Captioning Model (Samsung Nepal)
Project Description:	The project aims to develop an AI model capable of analyzing videos and generating explanations of the content within them. Model interprets visual elements, providing comprehensive explanations of the video content. This project demonstrates expertise in artificial intelligence, deep learning, and video understanding.

5. Database Management System (6th semester):

Project Name:	Invigilator Management System (Continuation from Software Engineering)
Project Description:	This follows the continuation of previous project from Software Engineering with addition of databases and automatic systems.

6. Artificial Intelligence (6th semester):

Project Name:	A* Algorithm

Project Description:	Developed a classic Snake game where the players control a snake to eat food and grow longer while avoiding collisions with walls and the snake's own body. Included features such as score tracking, game over detection, and smooth animation for enhanced gameplay.

7. Software Engineering (5th semester):

Project Name:	Invigilator Management System
Project Description:	This project focuses on managing the invigilator for any exams by simply assigning them (randomly if required) to the exam room all from the system.

8. Computer Graphics (5th semester):

Project Name:	Village Model
Project Description:	Developed a village model simulation using OpenGL to explore lighting, shading, and rendering techniques. Implemented dynamic lighting effects and shading models.

9. Data Structure and Algorithms (4th semester):

Project Name:	3d Plane Visualizer
Project Description:	Focused on implementing mathematical equations and formulas to visualize 3D planes and their interactions effectively. Developed algorithms to render geometric shapes and analyze their intersections in three-dimensional space.

10. Object Oriented Programming (3rd semester):

Project Name:	Space Invader

Project Description:	Focused on creating a classic arcade-style game, Space Invader. Implemented game mechanics, including player movement, enemy behavior, and projectile dynamics.

11. C Programming (1st semester):

Project Name:	File pass
Project Description:	It is a secure file access system using password authentication. Implemented standard techniques to safeguard user credentials and file contents.

CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS:

- Registered **Computer Engineer** under Nepal Engineering Council (**NEC No. 87141**)
- Awarded **AWS Academy Graduate - AWS Academy Cloud Architecting** certification, demonstrating proficiency in **cloud architecture principles** and **AWS services** (2023)
- Awarded for completion of the **Samsung Innovation Campus Coding & Programming Course** in collaboration between **Samsung Nepal** and **Tribhuvan University** which happened for the first time in Nepal (2022-2023)
- Recognized for completion of the **Software Fellowship**, in which workshop focused on **Fundamentals of Software Engineering** on **Python** and **Flask development** organized by LOCUS (2020)
- Obtained **FreeCodeCamp certifications** in various topics, including:
  o **Backend Development and APIs** (2023)
  o **Scientific Computing with Python** (2023)
  o **Data Visualization** (2022)
  o **Responsive Web Design** (2022)
  o **JavaScript Algorithms and Data Structure** (2022)
- Won the category winner for **Accessibility** at **Vertex Hacks**, a **36-hour hackathon**, showcasing innovative problem-solving skills (2023)
- Obtained **Simplilearn certification** in **Introduction to Selenium** (2024)
- Led my school's house team at **B.M.G Secondary School** to win the award for "**Best Organized and Disciplined House**" demonstrating strong leadership, organizational skills, and teamwork abilities (2017)

PARTICIPATION:

- **Participated** in **20ᵗʰ National Technological Festival** organized by **LOCUS**, at Pulchowk Campus, Pulchowk, Lalitpur (2024).

COMMUNICATION SKILLS

- **Languages**: Fluent in written and spoken English, Nepali and Hindi languages.

PERSONAL DETAILS:

Name:	Mr. Ayush Parajuli
Date of Birth:	December 30, 2002
Gender:	Male
Father's Name:	Mr. Bandhuraj Parajuli
Permanent Address:	Gagangauda, Pokhara-30, Kaski
Temporary Address:	Chakupath, Lalitpur

REFERENCES:

1. **Assistant. Prof. Nishchal Acharya**
   Deputy Head of Department
   Department of Electronics and Computer Engineering,
   Institute of Engineering, Pulchowk Campus
   Tribhuvan University, Nepal
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2. **Assistant. Prof. Prakash Chandra Prasad**
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