



Shikha Sarraf

Electronics and Information
Engineering Student

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Languages

Python, C/C++,
SQL,
JavaScript

Interests

- Professional Development
- Scientific Visualization
- Tech Exploration

Summary

I am a third-year Electronics and Information Engineering student at IOE, Pulchowk Campus, with a focus on building functional and efficient technical solutions. I am comfortable working with Python, C, and Git, and I enjoy solving technical problems. I am looking for opportunities to contribute to impactful software or hardware projects where I can apply my skills in logic and development while gaining experience in a professional environment.

Education

Institute of Engineering Bachelor in Engineering (B.E.) • 2.78 / 4.0 (First Division) (IOE), Pulchowk

Campus, Tribhuvan

University

Bachelor in Electronics, Pulchowk,Lalitpur • November 2021 – Present
Communication and Information
Engineering

Currently a third-year student focusing on DSA, AI and RL.

National Infotech

+2 science

3.53

Birgunj, Parsa • 2 years

Skills

🔗 **Language:**

Python, C,C++

🔗 **Software & Frameworks:**

NumPy, Matplotlib

🔗 **Tools & Systems:**

Git/GitHub, Linux (Ubuntu 24.04), VS Code

Projects

Autonomous Navigation with Reinforcement Learning minor project

Developing a ROS 2 Jazzy based navigation agent for TurtleBot3 using PyBullet simulations. Implemented PPO algorithms with Stable Baselines3 to achieve obstacle avoidance and path planning.

Certifications

PreXtreme Competitive Programming

IEEE

16th July, 2025

Workshop on LaTeX

IEEE

31st may, 2024

HTML,CSS and Javascript for Web Developers

Johns Hopkins University(Coursera)

14 sep,2024