

Kalyan Kumar Shrestha

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Objective

To utilize my engineering skills in electronics, communication, and information technologies to contribute to innovative projects in robotics, machine learning, and embedded systems.

Education

Degree	Institution	Year
Bachelor of Engineering in Electronics, Communication, and Information Engineering	IOE, Thapathali Campus	Final Year

Experience

- **Electronics Project Lead, RAC (Robotics and Automation Center), Thapathali Campus**

2021 - Present

Led a team of engineers to work on robotics projects, including organizing and participating in competitions and demonstrations.

- **Project Engineer, National Innovation Center (E-Cycle Project)**

2022

Worked on developing and designing a two-wheeler electric vehicle, contributing to circuit design and system integration.

- **Part-time Electronics Tutor**

2021 - 2023

Delivered electronics tutoring sessions at LOCUS (Pulchowk Campus), Municipality Schools, RAC (Thapathali Campus), and Arniko Intl College, focusing on hands-on projects and programming.

- **Event Organizer and Robotics Competitor**

2023 - Present

Organized events such as Roborace (RAC), Robowar, and Robosoccer (YATHARTHA 2024). Participated in various robotics competitions at NEC College, LOCUS, and ORBIT EXPO.

- **Machine Learning Projects**

2023 - Present

Worked on machine learning projects integrating vision systems, real-time object detection, and data analysis.

Achievements

- **1st Runner-up, Micromouse Competition (2023)**, IIT Bombay, India.
- Participated in **National Young Scientists Conference (NYSC 2022)** in Janakpur.

Skills

- **Programming Languages:** C, C++, Python
- **Computer Vision:** Object detection, real-time image processing
- **Microcontroller Boards:** Jeston Nano, Raspberry pi, Arduino, NodeMCU, STM32
- **Electronics:** Proficient in analog and digital electronics with PCB designing
- **Leadership:** Strong team leadership and project management skills