

Nabaraj Bhandari

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

PROFILE

I am a Computer Engineering student at IOE Pulchowk Campus. I believe in project based learning and participate actively in tech related workshops and activities.

EDUCATION

Bachelor in Computer Engineering 2024 – 2028 (Expected)
IOE, Pulchowk Campus, Tribhuvan University Lalitpur, Nepal
Current Semester: 3rd | **GPA: 3.90 (Sem 1), 3.66 (Sem 2)**

TECHNICAL SKILLS

Programming: C, C++, Python, JavaScript (ES6+), TypeScript
Web Development: Next.js, MERN Stack (MongoDB, Express, React, Node.js), Tailwind CSS
Tools & Hardware: Git, Docker, Linux, Neovim, ESP32, Arduino, Proteus, PCB Design

EXPERIENCE & LEADERSHIP

Innovation Team *PDSC (Plan Design Solve Create), IOE Pulchowk*
General Member & Technical Support 2025 – Present

- Help to update club website and participate in technical discussions within club.
- Assist mentors in workshops and activities conducted by the club.

Winner – Energy Hackathon 9.0 *LCOUS, IOE Pulchowk*
Demand Side Management Category 2026

- Proposed the idea **PowerPulse**, a demand side energy management platform.
- Built an interactive dashboard and presented the idea to panel of judges.

PROJECTS

Nawa News | *Next.js, RSS* [\[Live Link\]](#)

- News aggregator for popular nepali news websites in one place.
- Source based category of news and ability to view the original source.

BCT Overflow | *Next.js, Supabase* [\[Live Link\]](#)

- Resources platform for engineering students, past year questions and notes.
- Project is currently under development.

Digital Logic Simulator | *C++, SFML Graphics Library*

- GUI app for simulating logic gates and visualize the circuit.
- Ability to generate and view equivalent truth table.

Smart Attendance System | *ESP32, C++, RFID*

- RFID based attendance system for schools and colleges.
- Real time update to dashboard of admin.

WORKSHOPS & CERTIFICATIONS

- APIE Core Courses:** Completed "Understanding the Internet" and "Operating the Internet" modules as well as hands on e-Workshops with guest sessions.
- AI and Machine Learning:** Attended a 3-day workshop on fundamentals of AI and Machine Learning.
- PCB Design & Fabrication:** Completed a 4-day hardware workshop focusing on schematic design and fabrication using Proteus.
- CyberShield:** Participated in a 4-day cybersecurity workshop covering ethical hacking fundamentals.
- AWS Fundamentals:** Got introduced with cloud computing with hands-on experience of EC2 instances and S3 storage buckets.