

Sushant Thakur

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📍 Mahalaxmi 04, Imadol, Lalitpur

ELECTRICAL ENGINEERING STUDENT

Dynamic professional specializing in robotics, 3D modeling, embedded systems, and the MERN stack. Skilled in robotic design using ROS 2, hardware integration, and full-stack web development with MongoDB, Express.js, React, and Node.js. Experienced in bridging software and hardware to deliver innovative, user-centric solutions.

KEY COMPETENCIES

- Web Development
- Robotics Design and Development
- Innovation and Research
- Cross-functional Collaboration
- Embedded Systems and Electronics
- Strong interpersonal skills
- Project Management
- Excellent communication skills
- Proactive and self-motivated

PROFESSIONAL EXPERIENCE

FE Web Developer (Freelance)

2022–2023

- Delivered professional FE web development services for multiple clients, specializing in the creation of responsive and user-friendly designs.

Personal Project – Robotic Arm (5 DOF) Armikochan V1

Sep 2023 - Feb 2024

- Built a 5-DOF robotic arm named Armikochan that can be wirelessly controlled from a distance. It has the ability to store and accurately repeat its previous movements.

Full Stack Web Developer (Freelance)

Feb 2024 - May 2025

- Developed and delivered full-stack MERN web applications for multiple clients.

Personal Project – Robotic Arm (8 DOF) Armikochan V2

July 2025 - Jan 2026

- Built an 8-DOF industrial robotic arm from scratch using ROS 2, including all 3D models, electronics, and programming.

EDUCATION

B.E. in Electrical Engineering

Institute of Engineering, Pulchowk

Expected 2029

+2, Science, Computer

Capital College And Research Center, Koteshwor

3.33 GPA | A | 2024

Secondary Education Examination, SEE

Monastic Sec. Eng. Boarding School, Janakpurdham

3.65 GPA | A+ | 2022

AWARDS

- +2 winner at the **LOCUS 2024** Exhibition, Pulchowk Engineering Campus
- +2 winner at the **MechTRIX 2024**, Pulchowk Engineering Campus
- Project Demonstration Winner at **Yathartha 2026**, Thapathali Engineering Campus
- Hardware winner at **LOCUS 2026**, Pulchowk Engineering Campus
- Open Project Demo Winner at **VECTOR 3.0**, WRC, Pokhara

Please refer to my website for more information.

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