GOVINDA BHANDARI

WEB & AI ENTHUSIAST

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◎ Kritipur

PROFILE

Final-year engineering student with strong interest in AWS Cloud, embedded systems, robotics, AI/ML, and web development (basic). Hands-on experience in projects using ESP32, Arduino, robotics systems, and AI-based applications. Quick learner, problem solver, and team player with project and hackathon experience.

SKILLS

- Cloud & DevOps: AWS (basic)
- Embedded Systems & Robotics: ESP32, ESP32-CAM, Arduino, L298N motor driver
- AI/ML: Basics of YOLO, Object Detection
- Web Development: HTML, CSS, JavaScript (basic)
- Tools & Soft Skills: Problem-solving, logical thinking, team collaboration

EDUCATION

Bachelor of Engineering (BE)
Electronics, Communication and Information Technology
Final Year (4th Year)
Nepal
Expected Graduation: 2026

EXPERIENCE

PROJECT MANAGER
Advanced Robotics Club, ACEM
2023 – Present

- Led and coordinated student teams for robotics and embedded system projects
- Planned project timelines, task distribution, and milestone tracking
- Managed development of ESP32/ESP32-CAM based robots and web-controlled systems
- Guided team members in hardware integration, coding, and debugging
- Represented the club in project demonstrations, competitions, and hackathons

PROJECTS

Rescue Rover Robot with FPV

- ESP32 + ESP32-CAM based surveillance and rescue robot
- Live video streaming and motor control via web interface
- Used L298N motor driver, servo motor, and Li-Po battery

AI Assistant App for Blind People (Concept & Design)

- Object detection using YOLO
- Distance and direction guidance using audio output
- Designed for Android with on-device inference

INTERESTS

- Cloud & DevOps (AWS)
- Robotics & Embedded Systems
- AI & Computer Vision
- Web & App Development (basic)
- Hackathons & Tech Challenges