

Ayush Dev

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Summary

Computer Science and Engineering undergraduate with hands-on experience in web, mobile, and desktop applications. Strong interest in backend systems, full-stack development, and applied machine learning. Quick learner and team player, delivering practical solutions through hackathons and academic projects.

Education

Nepal Engineering College, Bachelor of Computer Science and Engineering 2022 – Present

- **Coursework:** Operating Systems, Data Science, Computer Networks, Embedded Systems, Software Engineering, AI/ML

Skills

Programming: Python, Java, C/C++, TypeScript, JavaScript, Dart (Flutter), SQL

Frameworks & Libraries: Node.js, React.js, Express.js, Flask, Django, HTML5, CSS3

Databases: MongoDB, MySQL, Supabase, SQLite, PostgreSQL

Tools & Platforms: Linux, Docker, Git, GitLab, RESTful APIs, AWS Cloud Essentials

Focus Areas: Backend Architecture, Full-Stack Development

Projects

- **Pregnify** | Pregnancy Health Tracking Web Application React, Flask, SQLite
 - Integrated real-time health metrics tracking and a secure messaging system for doctor-patient consultations.
- **Pasale** | Retail Inventory and E-commerce Platform Flutter, Dart, Flask
 - A retail management platform designed to replace manual bookkeeping with a super-simple interface and Nepali voice support, helping local shop owners manage operations easily while generating valuable consumer insights for FMCG companies and market analysis.
- **Unsaid** | Anonymous Emotional Expression Platform TypeScript, Supabase
 - Built a secure platform for anonymous expression, allowing users to share thoughts privately using real-time interactions and end-to-end encryption, tested with over 100 simulated users.
- **Issue Tracker** | Bug Reporting and Project Management Platform MERN Stack
 - Developed a bug and task tracking system to help small development teams organize issues, track progress, and collaborate effectively through centralized dashboards.
- **BhrastaBuster** | Anonymous Corruption Reporting Platform Flutter, Django
 - Engineered a reporting portal using machine learning to filter and assess the credibility of multimedia reports.
- **Hotel Management System** | Desktop Application Java
 - Streamlined hotel administrative tasks including automated invoicing, guest records, and room management.

Leadership & Activities

- **Technical Lead Volunteer, SCAEF** | Society of Consulting Architectural and Engineering Firms, Nepal Ongoing
 - Managed all technical needs for a large-scale event that hosted many guests and professionals from across the country.
- **Technical Lead, Computer Engineering Student Society (CoESS)** | Nepal Engineering College 2024 – Present
 - Organized a 48-hour hackathon and led several technical workshops for students.
- **Core Member, AWS Cloud Club** | Nepal Engineering College 2025 – Present
 - Handled marketing and outreach to bring more students into the community.
- **Technical Lead, Hult at NEC** | Nepal Engineering College 2025 – Present
 - Managed all the technical needs and helped teams during the social impact events.

Achievements

- **Fintech Track Winner** | MBMC IdeaX 2025
 - Built a mobile and web platform for local retailers and FMCG companies.
- **Second Runner-Up** | Hack For Business Hackathon 2025, Kathmandu University
 - Recognized by the Information Systems Club for a business-focused solution.
- **Second Position** | ITMeet 2025, Kathmandu University
 - Awarded for a competitive idea during the annual tech festival organized by KUCC.