

Safal Gautam

Undergraduate Computer Engineer

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Professional Summary

Computer Engineering student with hands-on experience in **full-stack web development using the MERN stack**. Demonstrated ability to design RESTful APIs, build responsive React interfaces, and develop database-driven applications. Strong foundation in programming fundamentals, ranging from C-based systems to modern JavaScript and Python projects. Passionate about clean code, open source, and solving real-world problems with scalable solutions.

Experience & Projects

1. Blog Management System (Frontend)

React and Tailwind CSS | 2025

- Developed a responsive blog management UI using React with reusable UI components styled in Tailwind CSS
- Integrated frontend logic to consume RESTful APIs
- Focused on component reusability, responsiveness, and clean UI design

Technologies: React, Tailwind CSS, JavaScript

[View Project](#)

2. Blog Management API

Backend REST API | 2025

- Designed a RESTful API for blog management with full CRUD operations using Node.js and Express
- Used MongoDB with Mongoose for schema-based data modeling
- Applied modular architecture and centralized error handling

Technologies: Node.js, Express.js, MongoDB, Mongoose

[View Project](#)

3. Complaint Management API

Backend REST API | 2025

- Built a backend system to manage and track user complaints
- Designed scalable REST endpoints following best practices
- Created MongoDB schemas and handled persistence with Mongoose
- Emphasized clean routing and separation of concerns

Technologies: Node.js, Express.js, MongoDB, Mongoose

[View Project](#)

4. Password Manager API

C++ REST API with Drogon | 2025

- Developed a lightweight password management backend API
- Designed endpoints to create, add, view, and delete passwords
- Employed a JSON-based storage approach for simplicity and learning
- Showcased web server design using Drogon framework
- Strengthened understanding of backend systems outside JavaScript stack

Technologies: C++, Drogon, JSON

[View Project](#)

Education

1. Purwanchal Campus, Dharan

Bachelor of Engineering in Computer Engineering

2024 – 2028 (Expected)

Relevant Coursework: Programming Fundamentals, Data Structures

2. Prasadi Academy, Lalitpur

Higher Secondary Education (+2) – Computer Science

2022 – 2024

GPA: 3.77 (Grade XII), 3.64 (Grade XI)

3. Ilam Rose Merry English School

Secondary Education Examination (SEE)

2020 – 2022

GPA: 3.3

Technical Skills

Frontend

- React, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+)

Backend

- Node.js, Express.js, RESTful APIs

Database

- MongoDB, Mongoose

Graphics Designing

- Figma, Canvas

Programming Languages

- C, C++, Python, JavaScript

Tools & Environment

- Git/GitHub, VS Code, Linux (Arch)

Soft Skills

- Problem Solving, Team Collaboration, Effective Communication

Volunteering and Community Works

- **Graphics Designer (Current)** – Association of Computer Engineering Students (ACES)
 - Designing digital creatives for **Taranga: The Wave of Technology** event
 - Contributing to event branding, promotions, and visual communication
- **Volunteer** – ACES TechFest 7.0, Purwanchal Campus (2024)

Certifications & Achievements

- **CS50P – Introduction to Programming with Python** – Harvard/edX (2025)
- **React.js Certification** – Association of Computer Engineering Students (ACES)
- **Node.js Certification** – Taranga: The Wave of Technology
- **C++ Certification** – Programiz (2025)