

AMIT BOUDDH

Software Developer

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SUMMARY

B.Tech CSE student skilled in **C++, DSA, MERN Stack (MongoDB, Express.js, React, Node.js), Python, Java Scripts** with experience in **Flask backend, REST APIs, and MySQL/SQLite**, focused on building clean, scalable, and production-ready applications.

PROJECTS

AI-Driven Automated Timetable Scheduling System

EduScheduleX – Automated Timetable Engine

📅 2025 - Present

Built a system that automatically generates conflict-free academic timetables using scheduling algorithms, Flask backend, React UI, and a structured SQL database

Tech Stack: Python, JavaScript, SQL Flask (REST API), React, Tailwind CSS MySQL / SQLite Constraint-Satisfaction, Rule-Based Scheduling, Postman, Git & GitHub, VS Code JSON APIs, ORM (SQLAlchemy)

- Designed and implemented a rule-based scheduling algorithm to generate conflict-free academic timetables.
- Built backend REST APIs using Flask for timetable generation, conflict detection, and database operations.
- Developed a clean and responsive React frontend for managing teachers, subjects, rooms, and generated schedules.
- Created a centralized SQL database with tables for teachers, subjects, availability, rooms, and time slots.

Plant Disease Detection Web Application (AI + Flask)

Plant Doctor AI

📅 2025 - Present

Developed an AI-powered web application that detects plant leaf diseases using a deep learning model trained on the PlantVillage dataset. The system preprocesses images, performs prediction via MobileNetV2, and displays disease name along with confidence score.

Tech Stack: Python, Flask, MobileNetV2, Machine Learning, HTML/CSS, JavaScript

- Image upload and real-time disease prediction.
- MobileNetV2-based deep learning model.
- Flask API for backend inference.
- Clean UI for results display.
- Includes treatment suggestions for each disease.

Personal Portfolio Website

Amit's Developer Portfolio

📅 2025 - Present

Designed and developed a modern, responsive **personal portfolio website** to showcase skills, projects, and achievements. The site includes clean UI, smooth navigation, and mobile-friendly layouts, representing professional branding.

Tech Stack: React, HTML, CSS, JavaScript, Vercel

- Fully responsive modern UI.
- Projects, skills, and contact sections.
- Deployed on Vercel** for high performance and zero-downtime hosting
- Fast loading and optimized design.

KEY ACHIEVEMENTS



Problem Solving Skills

Strong problem-solving skills, regularly solving DSA questions on LeetCode, Codeforces, and CodeChef.



Leadership

Led a team to develop an automated timetable scheduling system capable of generating optimized, conflict-free schedules based on teacher availability, room capacity, and subject constraints.

EDUCATION

Bachelor Of Technology In Computer Science & Engineering

SGPA(Latest)

NIMS UNIVERSITY JAIPUR RAJASTHAN

8.5 / 10

📅 2023 - 2027

Secondary Education

BOARD OF SECONDARY EDUCATION, RAJASTHAN, AJMER

Percentage

95.8 / 100

📍 Baran, Rajasthan

SKILLS

Programming Languages

C++, Python, JavaScript, Java.

Frontend Development

React, HTML, CSS, Responsive UI Design

Tools & Technologies

Git & GitHub, VS Code, Postman, NPM/Node Package Manager, Project Deployment (Basic)

Backend Development

Node.js (MERN Stack), Express.js, Flask (Python Backend), REST API Development