

# Aditya Goyal

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Bhopal, Madhya Pradesh

## EDUCATION

### Laxhmi Narain College of Technology University

B.Tech in Computer Science & Engineering ; CGPA: 8.7

Sept 2023 – May 2027

Bhopal, MP

## PROFESSIONAL EXPERIENCE

### Pearl Thoughts

Backend Developer Trainee

July 2025 - August 2025

Chennai, TN (Remote)

- Architected and integrated **RESTful backend services** for authentication, doctor/patient profile management, and appointment booking, improving overall **system robustness** and usability.
- Designed and optimized secure **appointment scheduling** and availability workflows **minimizing conflicts** and ensuring consistent, reliable operations.
- Leveraged JWT-based authentication, **role-based access control**, and **ORM-driven persistence** to enhance backend security, scalability, and maintainability.

## PROJECTS

### Samadhan – Citizen Grievance Redressal System | React, Spring Boot, MongoDB 🔄

- Designed and implemented a grievance management system to streamline issue reporting, tracking, and **resolution workflows** for citizens and administrators.
- Applied **priority-based routing** and **rule-driven workflow** logic to manage grievance lifecycles, ensuring efficient escalation, timely resolution, and consistent **state transitions**.

### AnnDaan – Food Donation & Redistribution Platform | React, Spring Boot, MySQL 🔄

- developed a full-stack food donation platform connecting donors (restaurants, households) with NGOs to reduce food waste through **real-time listings** and **location-based discovery**.
- Built secure authentication and role-based workflows using Firebase Auth and JWT, enabling donor and NGO onboarding and verification.

### TimeLume – Digital Time Capsule Platform | HTML, CSS, JS 🔄

- Developed a digital time-capsule application allowing users to securely store messages, media, and memories with **scheduled future access**.
- Implemented access-control logic and **timestamp-based unlocking** mechanisms to ensure data privacy and temporal integrity

### College Fest Management System | React, Node.js, Express.js, MongoDB 🔄

- Developed a full-stack college fest management platform to handle event listings, student registrations, and participant management, with **automated workflows** integrated using **n8n**.
- Designed dynamic data-fetching and **filtering mechanisms** using REST APIs and MongoDB and **event-driven n8n automation** queries for efficient event discovery.

### Attendance AI Agent – Smart Attendance Analysis System | SpringBoot, AI Agent, LLM Integration 🔄

- Designed and implemented an **AI-driven analysis agent** to process student attendance data and generate **actionable recommendations** on attendance planning based on institutional policies.
- Integrated an **LLM-powered agent** to generate context-aware recommendations by combining attendance metrics, timetable data, and academic constraints.

## Technical Skills

- **Programming Languages:** Java, JavaScript
- **Frontend Development:** HTML, CSS, React, Tailwind CSS
- **Backend Development & Databases:** Spring Boot, Node.js, Express.js, REST APIs, MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub, Postman, Figma, Microsoft Excel
- **AI/Automation :** OpenAI/LLMs, n8n
- **Course :** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Database Management Systems