

# MITALI AWASTHI

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## Education

### Vellore Institute Of Technology

B.Tech. in Computer Science and Engineering

2022 – 2026

CGPA: 8.35/10

## Skills

**Languages:** C++, JavaScript, SQL

**Technologies & Tools:** AWS, MySQL, ReactJS, RESTful APIs, NodeJS, Express.js, MongoDB, Retrieval-Augmented Generation (RAG)

**Relevant Coursework:** Object Oriented Programming, Database Management Systems, Data Structures and Algorithms, Operating Systems

## Projects

### StudyNotion | Full-Stack Ed-Tech Platform

- Developed full-stack ed-tech platform with course management, user authentication, and rating systems for students and instructors.
- Front-End: Built the user interface with ReactJS, focusing on course navigation and enrollment features.
- Back-End: Created RESTful APIs with NodeJS and ExpressJS for handling user authentication, course management, and content uploads.
- Database: Designed the MongoDB schema to store user, course, and rating data.
- Tech Stack: ReactJS, NodeJS, ExpressJS, MongoDB

### Anonymous Crime Reporting | Next.js, TypeScript, Prisma, NextAuth.js

- Designed and developed a secure anonymous incident reporting platform with NextAuth.js authentication, Prisma ORM for database management, and BCrypt encryption to ensure complete user anonymity and data privacy.
- Integrated GeminiAI for intelligent report categorization and analysis, improving incident classification efficiency for safety-critical applications.
- Tech Stack: Next.js 14, TypeScript, Prisma, Neon DB, NextAuth.js, GeminiAI

### NyAI – AI-Powered Legal Assistant | Finalist – Bharat Gen AI Hackathon 2025

- Architected RAG-based legal platform with dual pipelines (Cloudflare + custom docs), integrating Google Gemini LLM for structured responses.
- Collaborated with 4-member team on sprint planning, code reviews, and Firebase implementation for authentication and feedback.
- Used Google's Gemini LLM with Genkit to produce structured legal outputs and incorporated Firebase for user authentication and a feedback mechanism.
- Tech Stack: Next.js, React, TypeScript, Tailwind CSS, Genkit, Google Gemini, Firebase (Auth, Firestore), React Hook Form, Git, GitHub.

## Extracurricular

### Co-Lead, Content Team – MERN Stack Club

- Co-managed content strategy for a 200+ member developer community, helping to plan the curriculum and content for technical workshops.
- Led the creation of materials for over 5 MERN stack workshops, training more than 150 participants.
- Coordinated with industry mentors to align workshop content with current industry standards.