Mitali Awasthi

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SKILLS

Languages: C++, Python, JavaScript, SQL

Technologies & Tools: AWS, MySQL, ReactJS, RESTful APIs, NodeJS, Express.js, MongoDB, Git, Genkit, Google Gemini, Retrieval-Augmented Generation (RAG), Hybrid RAG pipelines

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Advance Data Structures and Algorithms.

EDUCATION

VIT Bhopal University	2022 - 2026
B.Tech. in Computer Science and Engineering	*CGPA: 8.35/10*
New Yashoda Public School(CBSE), Hisar, Haryana (XII)	2020 - 2022
Senior Secondary	*Percentage: 87.2%*

PROJECTS

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

- Designed and implemented a serverless SaaS platform for legal assistance, integrating Retrieval-Augmented Generation (RAG) from comprehensive legal datasets to deliver constitutional articles, precedents, and procedural checklists.
- Architected a hybrid RAG system combining Cloudflare AutoRAG for public knowledge and a secure, custom document pipeline for private user-uploaded files, ensuring tailored and context-aware responses.
- Utilized Google's Gemini LLM via Genkit to generate reliable, structured legal outputs (Laws, Precedents, Checklist, Simplified format), fortified by Firebase authentication and a feedback-driven validation loop.
- Collaborated with design, backend, and AI teams to deliver comprehensive SaaS solutions from concept to deployment.
- Technology Stack : Next.js, React, TypeScript, Tailwind CSS, Shadcn UI, Genkit, Google Gemini, Firebase (Auth, Firestore), TanStack Query, React Hook Form, Zod, Turbopack, Git, GitHub.

StudyNotion | Full-Stack Ed-Tech Platform

- Developed a robust ed-tech platform designed to provide a seamless and interactive learning experience for students and a global platform for instructors
- Front-End Development: Built engaging user interfaces with ReactJS, focusing on intuitive content navigation, course enrollment, and rating functionalities.
- Back-End Development: Architected and implemented RESTful APIs using NodeJS and ExpressJS for user authentication, course management, content upload, and real-time interactions.
- Database Management: Designed and managed MongoDB schema for efficient storage and retrieval of user data, course content, and ratings.
- Technology Stack: ReactJS, NodeJS, ExpressJS, MongoDB

Real Time Crime Alert System

- Built comprehensive analytics infrastructure supporting 50+ users with MySQL backend, tracking system performance metrics and generating automated reports similar to deal health monitoring requirements
- Implemented automated alerting system via teleport API achieving 98% delivery success rate across 200+ alerts, showcasing ability to automate tasks and scale productivity as required for the role.
- Delivered end-to-end solution from concept to deployment, coordinating technical implementation with security operations - directly applicable to cross-team collaboration with Sales, Product, and Customer Success
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- Technology Stack: Technology Stack : Python, Flask, TensorFlow, OpenCV, MySQL, WTForms, Teleport, NumPy.

CERTIFICATES

- **NPTEL Marketing Analytics (IIT KHARAGPUR):** Machine Learning and Deep Learning Specialization on Coursera.
- **NPTEL Cloud Computing(IIT KHARAGPUR):** Fundamentals of cloud architecture, deployment models, and cloud services.