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SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL

Technologies & Tools: AWS, Flask, MySQL, NextJS, RESTful APIs, NodeJS, Git, ReactJS, LLM (Llama 3.5, AWS Titan)

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

EDUCATION

Choithram School , Indore

Senior Secondary

2020 - 2022

Percentage: 89.40%

VIT Bhopal University

B.Tech. in Computer Science and Engineering

2022 - 2026

CGPA: 8.41/10

PROJECTS

NyAI - AI-Powered Legal Research Assistant

May 2025 - June 2025

Finalist Bharat GEN AI Hackathon

- Developed and deployed an innovative, secure, serverless SaaS platform that compressed legal research from 4-6 hours to minutes, drastically streamlining analysis.
- Pioneered a robust hybrid Retrieval-Augmented Generation (RAG) architecture, blending Cloudflare AutoRAG for public data with a custom pipeline for secure private files, ensuring unparalleled legal insights.
- Implemented advanced LLM integration (Google Gemini via Genkit) for consistent, structured, and accurate legal outputs (e.g., constitutional articles, precedents), enhanced by Firebase authentication and feedback-driven improvement.
- 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.

Crime Identification System

Sept 2024 - Mar 2025

- Developed and deployed a real-time, AI-powered surveillance system for immediate violence detection, enhancing security and enabling rapid incident response through automated alerting.
- Engineered a robust backend using Flask and MySQL for user authentication and event logging, while integrating a TensorFlow-based deep learning model for live video analysis.
- Implemented critical features including direct camera feed processing with OpenCV, real-time violence prediction, and automated Telegram alerts to predefined channels upon detection, ensuring timely situational awareness.
- Technology Stack : Python, Flask, TensorFlow, OpenCV, MySQL, WTForms, bcrypt, telepot, NumPy, pytz.

CERTIFICATES

- NPTEL Cloud Computing(IIT KHARAGPUR):** Fundamentals of cloud architecture, deployment models, and cloud services.
- Bits and Bytes of Computer Networking (Google):** Understanding of network protocols, IP addressing, and secure communication fundamentals.
- NPTEL Marketing Analytics (IIT KHARAGPUR):** Machine Learning and Deep Learning Specialization on Coursera

POSITIONS OF RESPONSIBILITY

Event Management Lead - Pi-Mathematics Club

- Orchestrated and successfully executed multiple events, managing all phases from conception to post-event analysis.
- Led and mentored cross-functional teams, fostering collaboration and accountability to achieve event objectives.
- Developed and managed event budgets, consistently optimizing resource allocation and ensuring financial targets were met.

PR Outreach Co-Lead - MERN Stack Club

- Pitched engaging stories to campus media and student organizations, securing features that amplified club visibility.
- Cultivated strong relationships with campus publications, student leaders, and faculty advisors to expand outreach and collaboration opportunities.
- Coordinated campus-wide outreach initiatives and events to promote club activities and increase student engagement.