Aditya Chandra

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SUMMARY

Computer Science graduate with strong fundamentals in DSA, OOPs, and DBMS, and hands-on experience in building full-stack web applications using Java, Node.js, React, and MongoDB. Experienced in leading project teams and delivering end-to-end solutions with a focus on clean, scalable code.

SKILLS

Programming Languages: Java, Python, JavaScript
Frontend: React, HTML, CSS
Backend: Node.js
Databases: MySQL, Firebase Firestore
AI / Computer Vision: OpenCV, Tesseract OCR, TensorFlow
Developer Tools: Git, GitHub, VS Code, Figma

PROJECTS

SupportFlow — Full-Stack Chat Platform
Tech Stack: React.js, Firebase (Firestore, Auth, Hosting), Tailwind CSS, Vite

- Designed and developed a one-to-many real-time chat platform enabling a single administrator to manage multiple user conversations through a centralized interface.
- Implemented real-time messaging and typing indicators using Firebase Firestore with persistent message storage.
- Built a responsive, mobile-first UI with Tailwind CSS, including state-persistent dark/light mode.
- Enforced data security using Firestore Security Rules with user-level isolation and admin visibility.
- Optimized build and deployment workflows using Vite and Firebase Hosting.

Smart Parking System — Hardware–Software Integrated Solution
Tech Stack: Java, Python, OpenCV

- Developed a computer vision–based smart parking system using CCTV feeds to detect and count parked vehicles in real time.
- Implemented vehicle detection and occupancy tracking using OpenCV on live video streams.
- Designed backend logic to dynamically update parking availability in a user-facing application.
- Enabled pre-booking of parking slots to reduce congestion and optimize utilization.

DocDecoder — Generative AI–Powered Document Q&A System
Tech Stack: Python, Google Gemini API, LangChain, TensorFlow, Tesseract OCR, Streamlit

- Developed a Generative AI–based web application for document-based question answering with real-time, context-aware responses.
- Integrated Google Gemini API with prompt constraints to ensure answers are generated strictly from uploaded documents.
- Implemented OCR-based preprocessing for scanned documents using Tesseract.
- Utilized LangChain for document chunking, retrieval, and contextual response generation.
- Selected for Project Expo – Industry Conclave 2024, VIT Bhopal University; cleared two evaluation rounds.

EDUCATION

Bachelor of Technology in Computer Science and Engineering   **2022 – Present**
Vellore Institute of Technology, Bhopal
CGPA: 7.59 (Current)

CERTIFICATIONS

- Full Stack Developer (MERN) – SmartBridge
- Java Certified Foundations Associate – Oracle