ZISHAN IRFAN VHORA

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SUMMARY

Computer Engineering student with a backend-focused development mindset and strong problem-solving skills. Experienced in designing system architecture, building RESTful backends, integrating real-time data systems, and deploying multi-service applications through hands-on projects and hackathons. Seeking backend or systems-oriented engineering roles.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL, C, PHP
- **Backend & Web Technologies:** FastAPI, Flask, Django, HTML, CSS, Supabase
- **Databases:** MySQL, PostgreSQL, SQLAlchemy
- **Cloud & Deployment:** Vercel, Render, Google Cloud (Basics), Linux
- **Data & Machine Learning:** Pandas, NumPy, scikit-learn, Jupyter Notebook
- **Tools & Collaboration:** Git, GitHub, Process Automation, Team Collaboration

PROJECTS

CareFlow Nexus – Hospital Resource Orchestration System   Live App | GitHub
FastAPI, Python, Firebase, Render

- Designed the system architecture and API contracts governing interactions between frontend, backend services, agents, and the real-time data store.
- Built a FastAPI-based backend in Python to orchestrate real-time hospital workflows through well-defined REST APIs.
- Integrated Firebase for real-time data synchronization and deployed frontend, backend, and agent services across Vercel and Render.

BunkStop – Attendance Tracker Web Application   Live App | GitHub
React, Supabase (PostgreSQL), Vercel

- Refactored backend logic of a live application to improve maintainability and performance for 30+ active users.
- Executed a data migration between Supabase database instances while preserving data integrity.
- Redesigned the database schema and managed the end-to-end deployment pipeline on Vercel.

SkillMatch – ML-Based Job Recommendation System   Live App | GitHub
Python, Streamlit, scikit-learn

- Built and deployed an ML-powered job recommendation application using a supervised learning approach.
- Trained and evaluated a Random Forest classifier on a Kaggle dataset with feature preprocessing and model tuning.

ORGANIZATIONAL & TEAM EXPERIENCE

Student Training and Placement Coordinator   Feb 2025 – Present
Sardar Vallabhbhai Patel Institute of Technology   *Vasad, Gujarat*

- Supported execution of official campus placement drives and coordinated logistics during live recruitment events.
- Organized and managed mock placement drives for 200+ students in collaboration with a team of coordinators.
- Improved operational efficiency by automating data handling workflows using Google Apps Script.

EDUCATION

Sardar Vallabhbhai Patel Institute of Technology, Vasad   2024 – 2027
Bachelor of Computer Engineering   *CPI: 7.48*

Polytechnic, Maharaja Sayajirao University of Baroda   2021 – 2024
Diploma in Computer Engineering   *CPI: 7.07*

CERTIFICATIONS

Code Unnati Foundation Course – Python, Data Analysis, Machine Learning, SAP Conversational AI