Kalpesh Vala

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EDUCATION

Nirma University **2022 - Present**

B.Tech. Computer Science and Engineering

- CGPA: 8.08/10

Nutan Vidhyapith **2021 - 2022**

Higher Secondary (XII)

- Percentage: 88.31

Coursework

- Data Structures, Operating Systems, Database Management Systems, Object Oriented Programming, Digital Electronics, Computer Architecture, Computer Networks, Cyber Physical Systems (Minor), Microcontroller and Interfacing, Cyber Security, Application Development.

PROJECTS

Credit Card Fraud Detection System | Flask,HTML/CSS, MongoDB, Python

- Built a web app to detect fraudulent transactions using Flask and ML models like Isolation Forest and Logistic Regression.
- Stored data in MongoDB and enabled real-time fraud detection through user-uploaded transaction data.
- Implemented a user-friendly interface for easy navigation and transaction uploads.

E-Commerce Platform Development | JSP, Servlets, JDBC, MySQL, Docker

- Developed a dynamic e-commerce platform with JSP, Servlets, and MySQL; containerized with Docker for deployment.
- Enhanced interactivity using JSTL and scripting tags.
- Integrated payment gateway for secure transactions and smooth user experience.

To-Do and Real-Time Chat Application | Go (Fiber), React, MongoDB, JWT

- Built a Go-based backend with Fiber, React frontend, and MongoDB for database.
- Implemented JWT authentication and integrated real-time chat alongside a to-do list service.
- Enabled seamless user interaction with live notifications and task updates.

TECHNICAL SKILLS

Languages - C/C++, Python, Java, JavaScript, HTML/CSS, Go, Kotlin
Tools - Git/GitHub, MySQL, Oracle, Docker, Kubernetes, MongoDB
Frameworks - React, Node.js, Express.js, Flask, Spring Boot, Hibernate

ACHIEVEMENTS AND CERTIFICATIONS

- Aspire Leaders Program – Module 1: Personal and Professional Development
- Aspire Leaders Program - Module 2: World-Class, Educator led Masterclasses
- Complete Kubernetes: Easy Practical Guide + Project (Udemy)
- Certificate of Scholar (Semester II, Nirma University)
- Smart India Hackathon Certification