FATHIMA SAMEEHA A

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CAREER OBJECTIVE

Pre-Final-year engineering student with a passion for coding and problem-solving in python as well as java, experienced in web development and machine learning. Seeking an entry-level role to apply technical skills and grow in a learning-driven environment.

EDUCATION

Panimalar Engineering College *September 2023 - Present*
Pre-Final year *Overall GPA: 9/10*
Department of Computer Science Engineering

IITM BS online degree *July 2023 - Present*
Diploma in programming *Overall GPA: 7.83/10*
Diploma in Data Science

CSI BAIN SCHOOL *Percentage: 95.5*

TECHNICAL STRENGTHS

Computer Languages	Python, Java, System Commands
Web Technologies	HTML, CSS, JavaScript, Vue.js, Flask
Database	MySQL, SQLite3
Tools & Platforms	Git, VS Code, Jupyter Notebook, MS Excel
Operating Systems	Windows, Linux (Ubuntu)

PROJECTS

Quiz-Master Application

· Developed a web-based multi-user quiz platform using **Flask** and **SQLite3**, featuring authentication, dynamic question display, automatic scoring, and result tracking.
· Implemented admin functionalities to manage questions; users can attempt quizzes and track progress. Designed for scalability.

Quality Inspection System (Water Bottles)

· Built a **CNN-based image classification system** for quality inspection with admin, supervisor, and operator roles. Automated defect detection, image uploads, and report generation, improving inspection accuracy and workflow efficiency.

Hospital Management System

· Developed a role-based Hospital Management System using **Flask (REST APIs)**, **VueJS**, **SQLite**, **Redis**, and **Celery**, enabling secure appointment scheduling, treatment management, and patient history tracking.
· Implemented JWT-based authentication, Redis caching for performance optimization, and automated background jobs (daily reminders, monthly reports, and CSV export) to enhance scalability and system efficiency.

CERTIFICATIONS

Programming in Java – NPTEL– Python with Data Science – NPTEL– Introduction to Machine Learning – NPTEL– Aptis ESOL (English Proficiency) – British Council– Acquring Data - NASSCOM