**Nimisha Dadaji Majgawali**

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**EDUCATION**

**Vellore Institute of Technology, Bhopal**

*Bachelor of Technology in Computer Science & Engineering (Specialization in Health Informatics):* CGPA: 8.325/10 (Till 3rd Year)

October 2022 – May 2026

**Delhi Public School, Durg, India**

*CBSE; AISSCE (Class 12): 94%, CBSE; AISSE (Class 10): 90%*

**PROJECTS**

**Personalized Food Recommendation Generator**

* Developed a personalized food recommendation system suggesting goal-specific dietary options (e.g., for mild weight loss, heavy weight loss, etc) based on user **BMI and caloric intake needs (e.g., 1500-3000 kcal)**.
* Implemented **machine learning models (achieving 85% accuracy in diet tailoring)** to recommend specific meals for weight loss, or maintenance.
* Integrated comprehensive nutritional analysis for **over 500 unique food items**, providing enhanced user-specific suggestions with detailed macro and micronutrient breakdowns.
* Built using Python, Streamlit, Machine Learning, and MongoDB, supporting **scalable user profiles and data for efficient recommendations**.

**Zenote - Encrypted Notes PWA**

* Developed **Zenote, a privacy-first, encrypted notes Progressive Web App (PWA)** using React and Firebase.
* Achieved a **100% Lighthouse PWA score**, including offline support, and implemented **client-side AES encryption** for zero-knowledge data security in Firestore.
* Architected a **modular and responsive UI** with custom hooks for real-time note syncing, built with **Vite for optimized performance**.
* Leveraged **Firebase Authentication** for secure user management, ensuring a scalable and performant note-taking experience.

**Secure Prescription Management Portal**

* Designed a **Secure Prescription Management Portal** using Python and MySQL, implementing **robust encryption techniques (AES-256)** for all stored prescriptions.
* Engineered a **multi-factor authentication system** to ensure **high data security**, protecting sensitive patient information.
* Developed a **user-friendly interface** that streamlines the **storage and retrieval of prescriptions**, significantly improving management efficiency.

SKILLS

* Programming Languages : Python, Java, C++
* Frontend Development : HTML, CSS (Flexbox, Bootstrap5), JavaScript, ReactJS, Node.js
* Databases : MySQL, PostgresSQL, SQLite
* UI/UX : Figma
* Others: DSA (120+ problems on LeetCode), Machine Learning

CERTIFICATIONS

* Applied Machine Learning in Python – Coursera
* AWS Academy Cloud Foundations & Architecting – AWS Academy
* Git Complete – Udemy
* Critical Thinking & Problem Solving – Udemy

SOFT SKILLS

Strong Communication Skills, Problem-Solving, Adaptability, Team Collaboration, Time Management