

MOHAMMED ZAHEER HUSSAIN M

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OBJECTIVE

Passionate about Flutter app development, data science, and machine learning. Seeking an entry-level role to apply my skills in building innovative mobile apps and implementing data-driven solutions.

EDUCATION

B. S. Abdur Rahman Crescent

Institute Of Science And Technology

B.tech in Artificial Intelligence and Data Science – **8.37** (till 5th sem)

Chennai, Tamil Nadu

2022 – (Till present)

Geetha Matric Higher Secondary School

Higher Secondary Certificate (HSC) – **86%**

Tuticorin, Tamil Nadu

2020 – 2022

Geetha Matric Higher Secondary School

Secondary School Leaving Certificate (SSLC) – **89 %**

Tuticorin, Tamil Nadu

2020 – 2022

SKILLS

Problem Solving: Data Structures and Algorithms

Languages: Java(Basics), Python, Javascript,Dart

Databases: MySQL,MongoDB

Framework : Flutter

Backend: Node.js ,Python flask,Django(Basics)

Interpersonal Skills: Leadership, Teamwork, Listening

Soft Skills: Adaptability, Communication

PROJECTS

Node.js & MongoDB CRUD Application

- Developed a CRUD application using Node.js, Express.js, and MongoDB.
- Created RESTful API endpoints for Create, Read, Update, and Delete operations.
- Used Mongoose to define schemas and interact with MongoDB collections.
- Structured backend into modular routes, controllers, and database layers.
- Enabled efficient JSON-based communication between client and server.
- Implemented error handling and input validation for API reliability.
- Tested all endpoints using Postman to ensure stability and correctness.

Personalized Product Recommendation System (User-User Collaborative Filtering)

- Built a personalized recommendation system for an eCommerce platform using user-user collaborative filtering.
- Analyzed user interactions such as views, ratings, and purchases to identify behavior patterns.
- Utilized cosine similarity to calculate user similarity based on their product preferences.
- Recommended products that similar users have interacted with, even if the current user hasn't.
- Implemented the engine using Scikit-learn for similarity computation and recommendation logic.
- Deployed the system through a Flask web application to enable real-time recommendation delivery.
- Designed an intuitive user interface to display personalized suggestions during browsing.
- Integrated a feedback loop that refines recommendations based on user actions and preferences.
- Enhanced system accuracy over time by learning from ongoing user interactions.
- Aimed to boost user satisfaction, engagement, and conversion rates through personalization.

Medical Services App (Flutter, Dart & Firebase)

- Developed a cross-platform medical services app using Flutter and Dart for Android/iOS.
- Integrated Firebase Authentication for secure user login and registration using email/password.
- Utilized Cloud Firestore as the backend database to store doctor profiles, hospital details, and medicines.
- Implemented real-time data fetching and display using Firestore's snapshot listeners.
- Stored user bookings and medical preferences securely using structured Firestore documents.
- Designed modular pages for doctors, hospitals, medicines, and healthcare services with real-time sync.
- Enabled appointment booking, searchable medicine list, and filterable hospital list..
- Displayed personalized medical services with data-driven UI using ListView and GridView.
- Used Flutter state management (setState) to handle dynamic updates and user interactions.
- Deployed user-friendly UI with clean layouts, service icons, and responsive design principles.
- Ensured scalability and maintainability with modular components and Firebase cloud infrastructure.

GITHUB : <https://github.com/ZaheerAB2311>

CERTIFICATES

Hacker rank– Java(Basics)

Plasmid Innovation – Data science (Internship)