Ali Jafar

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Education

FAST NUCES, Bachelors in Computer Science   Aug 2022 – Present

- **Coursework:** Object Oriented Programming, Database Systems, Data Structures and Algorithms, Deep Learning, Operating Systems, Software Design and Analysis

Projects

TasteBuds | Jetpack Compose, Flask, MongoDB   github.com/TasteBuds

- An AI-powered food recommendation app that suggests personalized meals and recipes based on dietary preferences, calorie limits, and available ingredients. Using machine learning and nutritional data to promote healthy and convenient eating.
- Spoonacular's API Integration: The application uses Spoonacular's REST API to provide accurate and detailed data on recipes, ingredients, and nutrition for an enriched user experience.
- Guest and Log-in Modes: Browse recipes as a guest or log in to save favorites and enjoy personalized features.
- AI-Powered Suggestions: AI analyzes your preferences to recommend recipes, meal plans, and ingredients customized to your tastes and dietary needs.

Mezbaan | Jetpack Compose, NodeJS, PostgreSQL, Firebase   github.com/Mezbaan

- Mezbaan is an all-in-one platform that simplifies event planning by enabling users to book venues, manage decorations, and arrange catering services.
- The app leverages NodeJS for API integration, enabling seamless communication between the front-end and back-end
- Firebase Authentication is implemented to provide a secure and reliable method for users to sign in using their Google or Facebook accounts.

ProbStats | Jetpack Compose, Flask, Firebase   github.com/ProbStats

- The app features a sleek, interface designed with Jetpack Compose, providing students an engaging, user-friendly experience. Students can easily navigate and post questions related to probability and statistics.
- The app leverages Flask for API integration, enabling seamless communication between the frontend and backend
- User authentication is handled by Firebase, providing a secure and reliable way for students to sign up, log in, and manage their accounts .
- The app uses Firebase Realtime Database to store and manage questions, answers, and other related data.

Fraud Detection | Python, SKLearn, Pandas   github.com/Fraud-Detection

- Fraud Detection in Financial Transactions Using Graph Analysis leverages advanced graph-based algorithms to uncover hidden patterns and relationships between entities involved in financial transactions.

Certifications And Awards

DB Project: Mezbaan selected for Dev Expo @ Fast

Technologies

Languages: Kotlin, Java, Python, C, C++
Tools: Android Studio, VS Code, Git, Ubuntu
Technologies: Android Jetpack Compose, Flask