Atikuzzaman Riday

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Summary

Recent graduate in Computer Science and Engineering specializing in app development with Flutter. Proficient in creating cross-platform mobile applications. Hands-on experience in software development, particularly in creating responsive and intuitive user interfaces. Eager to leverage my skills and creativity to contribute to innovative mobile projects.

Education

BRAC University , BSc in Computer Science and Engineering   Sept. 2018 to Aug. 2023

Skill

Technical Skills

- Programming Languages: Dart, java,Python
- Mobile Application Development: Flutter
- Storage and database systems: MySQL,, Firestore.
- Cloud Platforms: Firebase.
- Git Technologies: Github,
- OS: windows, linux.

Projects

Secure Vault Application

- Frontend: Flutter framework for cross-platform mobile development.
- Services: Firebase Authentication for user authentication, Firestore for database management, Firebase Storage for image storage.
- Other Tools: Firebase SDKs, Material Design for UI components.
- Implemented frontend components using Flutter, including UI design and state management.
- Integrated Firebase services for user authentication and data storage.
- Designed and implemented features such as folder creation, image uploading, and gallery management. Overcame asynchronous programming challenges in Flutter, ensuring smooth user experience during data retrieval and storage operations.
- Resolved integration issues with Firebase services, ensuring seamless communication between the frontend and backend.
- Implemented effective error handling mechanisms to address potential issues during user authentication and data storage. take a look ↗

Weather App Project

- Implemented asynchronous data fetching using HTTP requests in Dart, ensuring seamless integration with the OpenWeatherMap API.
- Designed and developed a user-friendly interface using Flutter widgets, focusing on intuitive navigation and responsive design across various screen sizes.
- Utilized state management techniques to efficiently handle and update weather data on the app interface, providing users with accurate and up-to-date information.
- Plan to integrate additional weather APIs for enhanced data accuracy and coverage.
- Explore implementing push notifications to provide users with timely weather alerts and updates.
- Investigate incorporating machine learning algorithms to provide personalized weather recommendations based on user preferences and behavior
- Used Flutter, Dart, HTTP requests, OpenWeatherMap API, Git take a look ↗

Eco Tracker App

- **Activity Logging**: Implemented a form for users to log daily activities (transport, energy use, diet, waste).
- **Carbon Footprint Calculator**: Developed logic to calculate carbon footprint from logged activities.
- **Personalized Recommendations**: Provided dynamic suggestions to reduce carbon footprint based on user data.
- **Progress Tracking**: Integrated charts and graphs to visualize user progress over time.
- **Community Engagement**: Built features for community challenges and social sharing of achievements.
- **Educational Content**: Added sections for articles, tips, and quizzes about environmental sustainability.
- **Gamification**: Included badges, rewards, and leaderboards to motivate user engagement.
- **Firebase Integration**: Used Firebase for user authentication and data storage. take a look ↗

Technologies

Languages: Java, python, Dart

Software: VS Code, Microsoft SQL Server,

OS: Windows. Linux.