SUNIL SHRESTHA

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Summary

- Flutter developer with over a year of experience building cross-platform mobile apps using Flutter and Dart.
- Proficient in BLoC, Provider, and GetX state management patterns for handling complex states and maintaining a clean separation of UI and business logic.
- Skilled in integrating RESTful APIs, Firebase (Auth, Firestore, Cloud Messaging), and implementing responsive UIs.
- Experienced in debugging, testing, optimizing performance, and writing modular, maintainable code.

Education

New Summit College, Tribhuvan University   2020 − 2025

Bachelor of Science in Computer Science and Information Technology (BSc. CSIT)   *Shantinagar, Kathmandu*

Technical Skills

Frameworks: Flutter, Django, TensorFlow, Keras, Scikit-learn
Languages: Dart,Python, Kotlin, JavaScript (Basics), C, C++, SQL
Databases: Relational Database (SQL-specific), Firestore
Version Control: Git, GitHub
Tools: Firebase, VS Code, Android Studio

Experience

Technergy Global Private Limited   July 2024 − Present

Associate Flutter Developer   *Gurash Fresh Ecommerce App [Driver,Customer and Shopkeeper App]*

- Designed and developed 3 different E-Commerce apps using Flutter and Dart for three user roles: customer, shopkeeper, and driver, ensuring a smooth and intuitive experience across all parts.
- Implemented a shopping cart system that allows customers to add, modify, and remove items, with real-time updates and total price calculations
- Integrated Cash on Delivery (COD) as a payment option alongside digital payments, providing flexible checkout methods.
- Developed advanced product filtering and sorting features to help users easily find items based on categories, price, ratings, and availability.

Flutter Developer Intern   *Groupie Anonymous Chat App*

- Developed a real-time group chat application using Flutter and Firebase, utilizing the BLoC state management pattern for scalable and maintainable architecture.
- Integrated Firebase Authentication and Firestore to enable secure messaging and real-time chat updates across multiple devices.
- Implemented multi-user support with seamless message synchronization and chat history persistence.
- Added anonymous nickname functionality to protect user identities, enhancing privacy in group conversations.

Cloud Factory   November 2024 − May 2024

Data Specialist   *Image filtering, type seperation and categorization*

- Specialized in polygon annotation for irregular shapes, ensuring high accuracy in contour tracing for machine learning datasets.
- Performed precise image annotation using various techniques including point annotation, bounding boxes, and polygons on the workstream.
- Applied knowledge of image annotation fundamentals to label and categorize visual data accurately for both real life and computer vision applications.

Projects

Smart Scribbles | *Flutter, Machine Learning*
- Designed a children's learning app with integrated ML model for real-time recognition and categorization.
- Embedded ML model using classification algorithms to provide interactive learning experience.
- Optimized app performance for mobile responsiveness and smooth user interaction.

Quick Bite | *Flutter, Firebase, Provider*
- Developed a food delivery app with real-time order management, authentication, and cloud storage.
- Implemented Provider for efficient UI updates and state management.
- Enhanced user experience with optimized performance and responsive layouts.

TastyTreats | *Flutter, MealDB API*
- Built a recipe discovery app with search/filter by category, ingredient, or name.
- Used MealDB API to fetch rich recipe data and optimized caching to reduce API load.

Blood Bank Management System | *Django*
- Created a multi-user platform for admins, donors, and patients with role-based access control.
- Implemented real-time updates, donation scheduling, and secure patient requests.

Certifications

Winner, Apex Hackathon — Apex College (2023)

ThingQbator Flutter Course — Completion Certified

SQL and Relational Database Course — Completion Certified

Involvement

3rd TU BSc.CSIT/BCA Basketball Tournament   **2023**
Operations Manager
- Oversaw and managed operations during university-level basketball tournament.

TechTrix 2023   **2023**
Logistics Coordinator
- Handled logistics for a national-level tech event ensuring smooth execution and resource planning.

Asian Hackathon   **2022**
Participant
- Collaborated with a team to build a tech solution under time constraints in an international hackathon.