

# SUNIL SHRESTHA

Duwakot, Bhaktapur

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## Summary

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- 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

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### New Summit College, Tribhuvan University

2020 – 2025

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

*Shantinagar, Kathmandu*

## Technical Skills

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**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

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### 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.
- Applied knowledge of image annotation fundamentals to label and categorize visual data for computer vision applications.

## Projects

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### 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

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Winner, Apex Hackathon — Apex College (2023)

ThingQbator Flutter Course — Completion Certified

SQL and Relational Database Course — Completion Certified

## Involvement

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### 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.