

Shishir Sharma Rijal

Pokhara, Nepal | +977 9822949639

[✉ iShishirRijal@gmail.com](mailto:iShishirRijal@gmail.com) | [🌐 Portfolio](#) | [🐙 GitHub](#) | [🌐 LinkedIn](#)

Introduction

Full-stack Mobile App Developer specializing in Flutter and Swift, combining machine learning expertise with a passion for creating innovative, user-centric applications.

Experience

Mobile App Developer

MarginTop Solutions

November 2023 - February 2024

Chitwan, Nepal

- Engineered 3+ IoT healthcare applications implementing SOLID principles and clean architecture
- Developed real-time patient monitoring systems with Bluetooth integration
- Implemented secure data handling and storage solutions for sensitive healthcare information
- Utilized Flutter and Firebase for scalable backend infrastructure

Flutter Developer

Merkos302

November 2022 – October 2023

New York, NY

- Led the development of the Merkos Central Project for cross-platform mobile and web applications.
- Translated Figma designs into responsive, pixel-perfect UI components.
- Integrated RESTful APIs, implementing robust error handling and data validation.
- Wrote unit and integration tests to ensure code quality and reliability.
- Collaborated with cross-functional teams to optimize user experience and application performance.
- Set up CI/CD pipelines for automated testing and deployment.

Projects

ShopSphere | E-commerce Platform

Flutter Firebase Clean Architecture BLoC



- Built a complete e-commerce platform with admin panel and user dashboard
- Implemented secure authentication and real-time product updates
- Used BLoC pattern for state management and Firebase for backend

Katha | Medium Clone in SwiftUI

SwiftUI Firebase CoreData Async/Await



- Developed a beautifully designed blog platform inspired by Medium, using SwiftUI
- Implemented seamless user authentication with Firebase
- Enabled article creation, reading, and exploration with powerful search and trending article features

- Integrated bookmarking functionality for offline reading, using CoreData for local data persistence
- Utilized Async/Await for high-performance asynchronous operations

Zero Waste Kitchen | Food Donation Platform



Flutter Firebase Provider

- Created a platform connecting food donors with NGOs and orphanages
- Implemented real-time updates and location-based matching
- Managed state using Provider pattern

Technical Skills

- **Mobile Development:** Flutter, Swift, SwiftUI, Dart, UIKit
- **Backend and Database:** Python, Django, FastAPI, Firebase, MongoDB, PostgreSQL
- **Version Control:** Git, GitHub
- **Other:** Unit Testing, Clean Architecture, MVVM, MVC, SOLID Principles, REST APIs, JSON

Leadership & Community Involvement

President, i-CES (Computer Engineering Society)

2022 - Present

Pashchimanchal Campus

- Led a team of 20+ members in organizing technical events and workshops
- Founded and led "AI Bootcamp" - a year-long machine learning mentorship program
- Mentored around 100 students in Flutter development through structured training programs

Microsoft Learn Student Ambassador

2022 - Present

Microsoft

- Organized workshops and training sessions on Microsoft technologies

Certifications

- [Master Swift](#) (LinkedIn Learning, 2022)
- [Flutter Advanced Course - Clean Architecture with MVVM](#) (Udemy, 2023)
- [Machine Learning Specialization](#) (Coursera, 2024)

Education

Bachelor of Computer Engineering

2021 – 2024 (Expected)

Pashchimanchal Campus, Tribhuvan University

Pokhara, Nepal

High School, STEM

2018 - 2020

Gorkha Secondary School

Tulsipur Dang, Nepal GPA: 3.85/4.0

Languages

Nepali (Native), English (Professional), Hindi (Professional)