Swapnil Shrestha

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LinkedIn | Github | DataCamp

Profile Summary

I am a motivated and tech-savvy Mobile Developer with hands-on experience in building cross-platform mobile applications using **React Native** and **Flutter**. I have a strong foundation in front-end development with **React** and **Tailwind CSS**, and solid back-end skills with **FastAPI**. I am certified in React Native via Coursera and Flutter via Frontend Masters. I also bring a creative edge in **graphic design for digital advertising**, with a proven ability to craft visually engaging content using **Canva**. I am passionate about developing user-friendly, high-performance apps and am eager to contribute to innovative, impact-driven projects in a collaborative team environment.

Education

Mid-Valley International College **(HELP University)**,   February 2022 – 2026
Bachelor of Information Technology (Honours)

- **Coursework:** Discrete Mathematics, IT Project Management, User Experience Design

Experience

Flutter Developer (Part-Time, Remote), Sero Finance   September 2025 - Present

- Implemented a secure, multi-method authentication system, including Google Sign-In (OAuth 2.0) and JWT-based session management with a NestJS backend.
- Engineered a core voice control system featuring global app navigation and an interactive chat interface using Speech-to-Text (STT) and Text-to-Speech (TTS) services.
- Developed a responsive, modern UI with complex animations and reusable components, utilizing Flutter's Provider for robust, scalable state management.
- Integrated end-to-end internationalization (i18n) for five languages (English, Nepali, Hindi, Zulu, Spanish) with persistent user preferences.

Content Designer (Part-Time, Remote), Humming Web, Australia   November 2024 - Present

- Create engaging social media designs and content strategies for diverse client portfolios
- Develop compelling captions and optimize hashtag strategies to increase social media engagement
- Collaborate with international clients to meet their digital marketing objectives

Leadership & Extracurriculars

President of Tech Titans (IT Club), Mid-Valley International College   October 2024 - Present

- Lead the college's IT club initiatives and coordinate with stakeholders to organize technical events
- Successfully organized and executed Web Innovators Hackathon, enhancing participation in tech activities
- Oversee design and development of promotional materials and websites for some of the college events
- Manage a team of student volunteers to execute various technical and creative projects

Technical Projects

UNESCO Youth Hackathon 2025 (Project: Netra)   GitHub

- Architected and developed a full-stack, AI-powered mobile application to enhance youth digital literacy using Flutter, FastAPI, and Google Gemini.
- Engineered a gamified learning ecosystem featuring an AI coaching simulator for hate speech de-escalation, a deepfake image analyzer, and a persistent global leaderboard.
- **Technologies Used:** Flutter, FastAPI, Google Gemini AI, PostgreSQL, Git.

Mobile App UI/UX Design Projects   Figma Team

- Redesigned QFX Cinemas mobile app interface to enhance user experience and functionality using Figma Conceptualized and designed Huba Nepal clothing app, focusing on modern e-commerce design principles Created high-fidelity prototypes and user flows using Figma and Canva
- **Tools Used:** Figma, Canva

KhetAI: Smart AI App for Farmers   Github

- Developed KhetAI, a smart farming assistant app, using Expo React Native to provide AI-powered crop disease detection, real-time vegetable price, and a farmer-to-buyer marketplace. Integrated TensorFlow Lite for mobile AI analysis and beautiful-soup for scrapping realtime vegetable prices, enhancing agricultural efficiency and sustainability.
- **Tools Used:** Expo, React Native, FastAPI, BeautifulSoup, OpenAI, MySQL

Pomodoro Sathi: Flutter-Based Productivity Timer App   Github

- Designed and developed Pomodoro Sathi using Flutter, a cross-platform Pomodoro timer app that allows users to set personalised work/break durations and track completed sessions with a clean and intuitive UI.
- Features include personalised welcome screen, configurable work (5/15/25 min) and break (5/15/30 min) durations, and session history tracking for productivity insights.
- **Tools Used:** Flutter, Dart, Shared Preferences, Provider, Custom Widgets

Technical Skills

Programming: Python, Java, JavaScript, C#, SQL, HTML/CSS, Dart

Frameworks: Flutter, FastAPI, React, React Native, Node.js, Tailwind CSS,

Design Tools: Adobe Creative Suite (Photoshop, Illustrator, Premiere Pro), Figma, Canva, Capcut

Databases: MongoDB, Supabase

Development Tools: Git, Android Studio, VS Code

Certifications

Google: Google AI Essentials

Meta: Introduction to Back-End Development, Programming in Python,React Native, React Basics, Version Control, Social Media Marketing Suite

University of Colorado: C# Programming and Unity

FreeCodeCamp & Microsoft: Foundational C# with Microsoft

DataCamp: Intermediate Python, Data Manipulation with pandas, Joining Data with pandas