

SAFAL SHARMA

Cross-platform mobile and web-focused software engineer with 3+ years building apps and full-stack products for real users. Shipped a Google Play app with 150K+ installs, owned enterprise SaaS workflows, and built BLE-enabled control apps for field equipment, with C embedded experience as a practical edge. Based in Japan.

 github.com/SafalFrom2050

 safal.sharma.ss@gmail.com

 safalsharma.com.np

 linkedin.com/in/safalfrom2050

SKILLS

</> PROGRAMMING LANGUAGES

– Dart, JavaScript, TypeScript, Kotlin, Python

🌸 FRAMEWORKS & LIBRARIES

– Flutter, React Native, Next.js, React, Laravel, Tailwind CSS, REST APIs

🔧 TOOLS & PLATFORMS

– Git, Docker, Firebase, Supabase, Genkit, Ollama, Figma

🔗 OTHERS

– C, ESP32, Raspberry Pi, UART, CAN, Arduino, I2C/SPI

EDUCATION

2019 – 2022

University of Northampton

BSc Computing (Software Engineering)
Achieved First Class Honours

2017 – 2019

Himalayan Whitehouse College

High School (Physics, Chemistry, Math)

LANGUAGES

- **Nepali** – Native
- **English** – Business
- **Japanese** – Conversational
- **Hindi** – Conversational

WORK EXPERIENCE

Flutter Mobile & Embedded Systems Developer

ATEX Co., Ltd. – Jan 2024 – Present

- Build and architect Flutter mobile applications used by 1,000+ active users to control and monitor self-driving commercial lawn mowers, improving BLE reliability for remote operation.
- Independently built a Flutter-based VT100 Bluetooth serial terminal emulator for internal diagnostics, giving engineers wireless access to mower system terminals without opening the case or attaching debug wires; saves about 10 minutes per setup and is well received by the team.
- Handle occasional C/C++ hardware communication tasks across UART/CAN, sensors, and mower-control integrations when required.
- Contribute to patent-oriented camera-based AI safety systems with research universities, integrating real-time obstacle detection for autonomous mower safety.

Software Engineer

Rambler Technologies – Aug 2022 – Dec 2023

- Served as sole frontend engineer for a US mortgage loan management platform supporting 6 role groups, 15+ employees, and 100+ daily client loan records using Next.js.
- Designed and shipped a native Android AR application enabling real-time virtual wallpaper placement and visualization for a premium consumer brand.
- Architected the public website and content management portal for the School of Shelter and Environment (sse.org.np), deploying secure JWT-based authentication.

Frontend / Mobile Developer

Kurma Tech – Sep 2021 – Dec 2021

- Contributed to a React Native food delivery app using Redux and Mapbox, building product discovery, ordering, and delivery-location flows with a dedicated UI/UX team.
- Delivered frontend features for several client-facing web applications, translating designs and API requirements into practical production screens.

PERSONAL PROJECTS

Alt Games Portal [↗](#) – Flutter, Firebase, Agentic AI

2018 – Present

- Designed and published a gaming portal with **150K+ Google Play installs**, scaling from a native Java prototype to a high-performance Flutter product.
- Built a Genkit-powered cloud AI pipeline that uses LLMs and SVG generation to build, test, and deliver playable 2D games through the Flutter client.