



SAIFUDEEN KOLIKARA

Software Engineer | Python, TypeScript, Applied AI

Swiss B Permit (student residence, part-time work authorized)

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EDUCATION

Master of Science | *Computer Science*

University of Geneva (UNIGE)

Sept. 2025 – Sept. 2027

Genève, Switzerland

Bachelor of Engineering | *Computer Science and Engineering*

New Horizon College of Engineering | CGPA: 8.5/10

Nov. 2020 – Jun. 2024

Bangalore, India

WORK EXPERIENCE

FeatsClub

Software Engineer

Feb. 2024 – Aug. 2025

Hybrid

- Ran the Stripe Connect payments for 8+ sports and cultural organisations, over \$150K in total. Each payment is split automatically between our commission and the organisation's payout.
- Wrote the webhook backend for 10 Stripe event types, so one-time payments, subscriptions, renewals and refunds stay in sync with our database.
- Built verified badges for user profiles, with a Stripe card payment as the identity check. This cut down on fake accounts and gated paid features.
- Built account deletion that clears user data across 12 collections and passes App Store and Google Play review.
- Shipped 25+ releases to both stores for 1,500+ users.

FeatsClub

Software Engineer Intern

Sept. 2023 – Jan. 2024

Hybrid

- Built the first version of the Stripe flow (one-time payments, subscriptions, renewals, refunds) that later handled \$150K+.
- Added a 300 ms debounce to search, cutting database reads by about 80%.

HiSave · Articulo Coding

Software Engineer Intern (two internships)

Jul. 2022 – Sept. 2023

Remote

- Built HiSave's mobile app from scratch to release, including Dart-JS interop with their web client, and an OpenAI-backed form generator with schema-driven UI.
- Ported Articulo's web classroom to a native app and wrote its FastAPI and Postgres backend.

PROJECTS

Geneva Springs

Personal Project | *Flutter, OpenStreetMap*

Ongoing

- A fountain-hunting game for Geneva built on OpenStreetMap data, to get people walking and exploring the city.
- Offline-first, with no account and no server: location data never leaves the device.
- Early stage, with 200+ people on the waitlist; in talks with G'innove and other incubators.

ICRC — Humanitarian Negotiation Trainer

Swiss {ai} Weeks Geneva Hackathon 2026 | *Python, FastAPI, React, LLM agents*

Sept. 2026

- Worked closely with the ICRC team on a tool that uses AI to train field staff in humanitarian negotiation.
- A supervisor describes an AI counterpart in plain language, a trainee negotiates with it live, and the supervisor gets a debrief quoting the transcript.
- Ran mainly on Apertus 1.5, with support for a local open-source model so sensitive data can stay in-house.

HPE & NVIDIA — Hiking Safety Assistant

Sept. 2026

HPE & NVIDIA Agentic AI Hackathon, Swiss {ai} Weeks | *Python, FastAPI, React, Nemotron, MCP*

- A Swiss hiking safety app that checks swisstopo routes against MeteoSwiss forecasts and flags risky stretches.
- Built most of the software on an NVIDIA H100 instance with the Nemotron model and the NemoClaw agent harness, so no data went to third-party providers.

TPG — Flex Dynamic Reallocation

Apr. 2026

hackademIA Hackathon, UNIGE SDG Solution Space | *Python, FastAPI, SciPy, Next.js, Leaflet*

- Used recent TPG data to model what happens when an on-demand bus breaks down, and to reassign its bookings to other vehicles.
- Compared four reassignment strategies; the best one successfully reallocated about 85% of affected bookings.

Arca Clinic & Adhaan

2023 – 2025

Published apps on the App Store and Google Play | *Flutter*

- Arca Clinic: pulmonary-clinic booking app with a role-based admin console; 1,000+ downloads, 4.9 rating (332 reviews).
- Adhaan: location-based prayer-times app with offline background scheduling in a 24 MB build; 4.9 rating.
- Owned both from concept through store release and post-launch support.

RESEARCH

Envisioning the Interactive Convergence of Generative AI and Facial Expression Recognition

Published – IEEE | ieeexplore.ieee.org/document/10543745

Dec. 2023

- Co-authored a paper exploring how pairing facial-expression recognition with generative AI could enable emotion-aware human-computer interaction.

EXTRACURRICULAR

TEDxNHCE

Dec. 2023

Web Development Lead for TEDxNHCE

Bangalore, India

Hackzon by Devfolio

Dec. 2022

Registration Team Lead for National Level Hackathon

Bangalore, India

TECHNICAL SKILLS

Languages: Python, TypeScript, Java, C++, SQL, Dart, JavaScript

Frameworks & Libraries: FastAPI, React, Next.js, Flutter, Node.js (MERN)

AI & Agents: LLM apps (Nemotron/vLLM, Apertus, Ollama), multi-agent orchestration, RAG, MCP, NemoClaw

Cloud & Backend: AWS, Google Cloud Platform, Firebase, PostgreSQL, SQLite, WebSockets, REST APIs, Stripe

Tools: Git, GitHub, GitLab, Docker, VS Code, Android Studio