



SAIFUDEEN KOLIKARA

Software Engineer | Python, TypeScript, Applied AI

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

+41 76 268 10 81 | hishamkolikara@gmail.com | codesaif.dev

linkedin.com/in/saifudeenhisham | github.com/beSaif

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 <i>Python, FastAPI, React, Nemotron, MCP</i>	
• 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 <i>Python, FastAPI, SciPy, Next.js, Leaflet</i>	
• 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 <i>Flutter</i>	
• 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	