

RAGULAN KOPIKESHAN

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CAREER OBJECTIVE

Final year Computer Science student with hands-on experience across the full stack of software development, from mobile and web apps to backend systems. Looking for a role where I can grow and learn from experienced team members.

TECHNICAL SKILLS

- Languages: Java, Python, Dart
- Frameworks & Libraries: Flutter, Spring Boot
- AI/LLM Integration: OpenRouter API, agentic workflow integration
- Infrastructure & Tools: PostgreSQL, Git, GitHub, Postman, Linux (Ubuntu), Windows, macOS, Figma
- Core Competencies: Technical Architecture, API/Webhook Integration, Full Cycle SDLC/STLC, System Validation, UI/UX Wireframing, Data Structures & Algorithms

EXPERIENCE

Infolabs (student startup, co-founded with 3 others)

May 2025 - Present

Co-Founder & Developer

- Co founded a small SaaS startup with three other students, contributing across the stack including databases, API design, and webhook integrations.
- Built the startup's own web platform, establishing its digital presence.
- Designed UI/UX wireframes and prototypes with a focus on clean, conversion-focused interfaces.
- Handled defect tracking, manual QA, and troubleshooting throughout the development process, working closely with co-founders.

Commis Chef

2022

- Gained early hands-on experience in a fast-paced, team-oriented kitchen environment prior to starting university.

PROJECTS

Athlon: Sports Facility Booking App

- Designed and built the UI/UX (Flutter) and backend (Supabase) for a sports facility booking platform.
- Implemented real-time booking, authentication, dynamic pricing, AI recommendations, and payment integration.

Travana: Travel Planning & Booking App

- Built an async Python/FastAPI backend using SQLAlchemy, Alembic, JWT authentication, and self-built rate limiting, paired with a cross platform Flutter/Dart mobile app (iOS, Android, web).
- Engineered a mock service architecture that lets the app run fully offline for development and testing.
- Designed a deterministic trip-planning pipeline over free OpenStreetMap services (Nominatim, OSRM, Overpass, Photon), with budget aware place ranking and live progress streaming via SSE.
- Scoped an optional OpenRouter-powered description-polish feature so it never affects cost, ranking, or place selection.

HeavensGate: Local-First Media Library Manager

- Building a cross platform Electron app (SQLite/Drizzle) for managing manga, anime, movies, TV, and books, with a sandboxed third party extension system.
- Designed the extension sandbox using QuickJS in WASM, and shipped a feature complete v1 with a full automated test suite and packaged macOS builds.

Asyncat OSS: Agentic AI Platform

- Contributed to a hybrid project management and AI chat platform.
- Assisted in integrating the OpenRouter API to enable automated task planning and interactive collaboration in an agentic workflow.

Additional Projects

- Ticket management system (Spring Boot backend); UI/UX prototyping in Figma for a pharmaceutical app, a farmer marketplace app, and a sub-fertility and pregnancy support platform; Python based personal finance tracker and random number game; and responsive marketing/awareness websites (HTML, CSS, JS).

EDUCATION

University of Westminster
BSc (Hons) in Computer Science

Jan 2024 - Sept 2027

Informatics Institute of Technology (IIT)
Foundation Certificate in Higher Education, Distinction

Jan 2023 - Dec 2023

AWARDS & EXTRACURRICULARS

- Hackathons: Parallax UI/UX Hackathon (Rotaract Club, 2024), Ballerina Language Hackathon (WSO2, 2024), MoralIEEE Extreme (2024), IEEE Extreme Hackathon (2024), Problem Solving Hackathon (University of Westminster, 2024 & 2025).
- Certifications: Certificate in Hult Prize (Mar 2025).
- Leadership & Activities: Cadet Corps Member, School Football Team Member, and Scout Member.