

Fatiya Quzza

fatiyaquzzaaa@gmail.com | linkedin.com/in/fatiya-quzza | github.com/fatiyaquzza | fatiya-portfolio.vercel.app

Summary

I'm an Informatics graduate from Universitas Syiah Kuala (GPA 3.88/4.0, Cum Laude) with a focus on full-stack web and mobile development. My thesis project, QFlora, pushed me to design and build an entire system on my own, from the mobile app down to the backend and admin dashboard, which taught me a lot about owning a project end-to-end. I've also worked well in team settings, most notably during an international exchange semester at Universiti Teknologi Malaysia and a mobile development cohort with Bangkit Academy 2024. I'm now looking for a developer role where I can keep building real, practical software and continue growing technically.

Education

Universitas Syiah Kuala

Bachelor of Informatics GPA: 3.88 / 4.00 (Cum Laude)

2021 – 2025

Universiti Teknologi Malaysia

Exchange Student (International Credit Transfer Program)

Sep 2024 – Feb 2025

- Faculty of Computing, Bioinformatics track, for one semester.

Experience

Kumon

Teaching Assistant, EFL

Aug 2025 – Present

- Teach English as a Foreign Language to students at a branch with around 350 students total, while personally tracking progress for an assigned homeroom group of 35 students and reporting their development to parents.
- Deliver structured daily worksheets and audio-based learning material to build learner independence and support self-paced academic progress.

Freelance

Frontend Developer

Jan 2024 – Present

- Contributed as frontend developer on client web platforms, including ilmanainitiative.com, a contextual science learning platform for young learners built with React.js, Express.js, and MySQL; the platform now ranks **#1 on Google** for its name.
- Built the learning module, sub-module, pre-test, and post-test interfaces, handling content layout, navigation between learning materials, and interactive assessment flows for end users.

LKBH Sata Al-Faqih

Full-Stack Developer Intern

Jul – Aug 2024

- Built a public-facing informational website for a legal aid organization using ReactJS, Express.js, and MySQL.
- Designed dynamic pages covering legal services, team profiles, news/articles, and contact information, with a fully responsive, cross-device layout.

Bangkit Academy 2024 by Google, GoTo, Tokopedia, Traveloka

Mobile Development, Independent Study (Kampus Merdeka), Remote

Feb – Jun 2024

- Completed structured Android development modules via Dicoding Academy, covering UI design, app architecture, and REST API integration.
- Engaged in regular mentor consultations for professional and technical guidance throughout the cohort.

Universitas Syiah Kuala

Laboratory Assistant, Numerical Computing

Aug – Dec 2023

- Guided 80 students across two lab sections through 12 sessions of numerical computing coursework.
- Oversaw assignments, projects, and assessments, providing targeted re-learning support for students who needed additional help.

Projects

QFlora — Undergraduate Thesis Project (Independent) React Native · Expo · Express.js
· React · MySQL · Firebase

- Designed and built a full-stack system spanning a React Native mobile app, an Express.js REST API backend (**59 route handlers** across 11 routers, documented via Swagger), and a React.js web admin dashboard, managing **39 Quranic flora records** across a **9-level taxonomic hierarchy** from subkingdom to species.
- Implemented Firebase Authentication with Google Sign-In, verifying ID tokens server-side via Firebase Admin before syncing user data; built fuzzy search using Fuse.js to handle typo-tolerant plant and surah name lookups.
- Enforced data integrity through admin-side validation, including required-field checks, duplicate name detection, and conflict checks on Quranic verse entries, plus Excel-based bulk import for verse data.
- Validated the mobile app through UMUX usability testing (**91.53%**, **rated "best imaginable"**) and black-box functional testing across both mobile and web platforms.

DermoAlly — Capstone Project, Bangkit Academy 2024 Kotlin · Android Studio · TensorFlow Lite · Figma

- Collaborated within a 7-person cross-functional capstone team (3 ML, 2 Cloud Computing, 2 Mobile) from initial concept ideation through final presentation.
- Designed the end-to-end user flow from wireframe to high-fidelity mockup in Figma, then implemented the Android app from UI slicing through full feature integration.
- Integrated an on-device image classification model (TensorFlow Lite), handed off by the ML and Cloud Computing teams, to enable early skin disease detection directly within the app.

LKBH Sata Al-Faqih Website — Internship Deliverable ReactJS · Express.js · MySQL · Tailwind CSS

- Built a full-stack informational website with **23 unique pages** (12 public-facing, 10 admin) backed by **18 REST API endpoints** and session-based authentication with Argon2 password hashing.
- Developed an admin CMS enabling full CRUD for articles (with PDF uploads) and team profiles (with images), plus client-side search and responsive pagination for the articles section.
- Implemented custom Tailwind breakpoints for full responsive coverage across legal service pages, team profiles, articles, and a dual-office contact page with embedded maps.

Skills & Technologies

Languages: Bahasa Indonesia (Native), English (Professional)

Programming Languages: C, Java, JavaScript, TypeScript, Kotlin, Python, SQL

Frontend: ReactJS, React Native, Expo, Tailwind CSS, Fuse.js

Backend & Database: Node.js, Express.js, Laravel, AdonisJS, MySQL, Firebase

Tools: Figma, Git, draw.io

Organizations

Informatics Student Association (HMIF), Universitas Syiah Kuala

Secretary, Student Welfare Management Department

Feb 2024 – Jan 2025

- Worked alongside the department head and vice head to coordinate an 11-person staff team, managing administrative operations including meeting minutes, official correspondence, and internal documentation for the department.
- Coordinated logistical support and communication flow across 11 work programs and events held throughout the term, which sharpened my ability to manage multiple moving parts at once and communicate clearly within a team.

Administrative Division Staff

Feb 2023 – Jan 2024

- Drafted official correspondence and served as event secretary across multiple HMIF projects, coordinating logistics and documentation.
- Managed the @hmif.apparel Instagram account, handling content design and posting to promote HMIF's merchandise line.