

AMEER AQASYAH

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LinkedIn : www.linkedin.com/in/ameer-aqasyah | Portfolio : <https://ameeraqasyah.dev> | Github : <https://github.com/Qesyi>

SUMMARY

Recent Software Engineering graduate with a frontend focus and full-stack capability, shipping deployed, user-facing applications independently. Fine-tuned a YOLOv8 computer-vision model to 91.4% mAP50 for a production-style recipe app, and built and deployed a real-time restaurant-matching PWA end to end. Comfortable across JavaScript/React and Python/Flask, and currently expanding into TypeScript, Node.js, and DevOps/cloud practices.

SKILLS & COMPETENCIES

Programming skills

- **Programming Languages** : JavaScript, Python, C++.
- **Frontend Technologies**: React, HTML, CSS, Tailwind CSS.
- **Backend Technologies**: Flask, SQLAlchemy.
- **Database Technologies** : PostgreSQL, SQLite, Supabase.
- **Machine Learning** : YOLOv8 model fine-tuning, Roboflow dataset prep.
- **Version Control** : Git, GitHub.
- **Currently Expanding** : TypeScript, Node.js, Express.js, DevOps & cloud practices.

PROJECTS

AI Recipe Finder — Ingredient Detection & Recipe Discovery App (FYP)

GitHub : <https://github.com/Qesyi/fyp>

- Built a full-stack web app that detects ingredients from a user-uploaded fridge photo and returns matching recipes via the Spoonacular API.
- Fine-tuned a YOLOv8m detection model on ~44,000 images across 120 ingredient classes, achieving 91.4% mAP50, 95.5% precision, and 88.3% recall.
- Implemented session-based authentication (PBKDF2 password hashing), saved search history, and an English/Russian language toggle.
- Added rate limiting to protect external API quotas; used SQLite in development and PostgreSQL in production via SQLAlchemy ORM.

Nomster V1 — Real-Time Restaurant Matching App

Live : <https://nomster.ameeraqasyah.dev/> | GitHub : <https://github.com/Qesyi/food-swipe>

- Built a Tinder-style PWA where two users swipe nearby restaurants and get an instant match when both approve, in vanilla JS with no framework or build step.
- Integrated the Google Places API for location-based restaurant discovery with cuisine and price filtering.
- Implemented real-time, cross-device sync using Supabase (Postgres + Realtime), including auto-reconnect and session resume.
- Deployed as an installable, serverless PWA on GitHub Pages.

EDUCATION

Moscow Aviation Institute (MAI) — Moscow, Russia

(09/2022 – 07/2026)

Bachelor in Software Engineering

University Kuala Lumpur (MIAT) — Sepang, Malaysia

(09/2021 – 07/2022)

Pre-Russian Programme

LANGUAGES

- Malay — Native
- English — Full Professional Proficiency
- Russian — Full Professional Proficiency