

# YUSUF MOHAMMAD YUNUS

Kuala Lumpur (UTC+8) | +60 10 892 9016 | [yusufm.yunus07@gmail.com](mailto:yusufm.yunus07@gmail.com)  
[linkedin.com/in/yusufmyunus](https://linkedin.com/in/yusufmyunus) | [github.com/Yukinee07](https://github.com/Yukinee07) | [yusufyunus.com](https://yusufyunus.com)

Seeking a 6-month Software Engineering or AI and Data Science internship | Available from February 2027

## SUMMARY

Final-year Computer Science (Honours) student specializing in Software Engineering and Data Science with a 3.86/4.0 CGPA, seeking Software Engineering or AI and Data Science internships. Builds end-to-end systems: deep learning pipelines in PyTorch and TensorFlow, FastAPI and Node.js backends, and Next.js frontends. Currently developing UnTune, a real-time GPU-accelerated vocal separation application, and shipping internal AI tools with the Motion-U engineering team.

## TECHNICAL SKILLS

**Frontend:** TypeScript, JavaScript, React, Next.js, Vite, Tailwind CSS, shadcn/ui, HTML, CSS, responsive and accessible UI

**Web3:** Solidity, Ethers.js v6, MetaMask, wallet signature login, Hardhat, OpenZeppelin, Ethereum (Sepolia testnet)

**Backend:** Node.js, Express, FastAPI, Python, REST APIs, MongoDB, PostgreSQL

**AI and Data:** Python, PyTorch, TensorFlow, Keras, scikit-learn, CUDA, OpenCV, Pandas, NumPy, SQL, Jupyter

**Testing:** Hardhat contract tests (Mocha, Chai), end-to-end and regression testing, test case design, API testing with Postman

**Tools and Design:** Git, GitHub Actions, Docker, VS Code, Figma, Adobe Photoshop, Adobe Illustrator

## EXPERIENCE

### SAH Diagnostics, UK healthcare diagnostics provider

August 2025 – Present

*IT Assistant, Quality Assurance and Systems Testing (Contract)*

*Remote*

- Automated a daily manual process, cutting it from 7 to 8 hours a day to 30 minutes.
- Helped launch a Virtual Clinic system now used daily by 10+ clinical staff, with rollout to 15+ clinicians underway, by raising 70+ documented bugs in 4 months.
- Tested 6 connected workflow stages end to end (onboarding, booking, report delivery, discharge, clinical comments, shift scheduling), a pathway where each stage depends on the one before.
- Wrote 70+ reproducible bug reports with steps, expected and actual behaviour and evidence, and re-tested affected stages after each release to catch downstream regressions.

### Motion-U, IIUM computing student club

February 2026 – Present

*Technical Committee Member and Teaching Assistant*

*Kuala Lumpur, Malaysia*

- Cut certificate issuance from several hours to under 3 minutes by building a bulk certificate generator that has issued 1,000+ certificates across club events.
- Rebuilt the club's weekly coding program platform end to end (frontend, backend, database, hosting) and ran 7 consecutive weekly sessions for 7 to 11 active members.
- Taught Git fundamentals to 30+ foundation-year students and full-stack web development to 25+ students as a teaching assistant.
- Helped ship and test the club's internal AI assistant, and co-organising its largest technical event to date, a hackathon in October 2026.

### iWealthX, real-world asset (RWA) tokenisation platform

July 2025 – September 2026

*Community Marketing Manager*

April 2026 – September 2026

- Shipped 10+ redesigned investor dashboard and marketing pages by turning Figma prototypes into responsive, accessible layouts for investor-facing flows.
- Grew a 3,000+ person launch waitlist from zero, with 20+ institutional investors requesting access, while owning features from concept to release in weekly shipping cycles with the founders.
- Supported partnerships for tokenised real-world assets, including 1 signed MOU and contract for a solar energy project that gives investors fractional ownership of its revenue.

*Marketing and Design Intern (Part-time)*

July 2025 – March 2026

- Created the token, icon and logo system and brand guidelines used across all 10+ pages, giving investors one consistent visual language from marketing site to dashboard.

### Eman Channel, online media channel

February 2023 – July 2025

*Social Media Marketing Manager and Graphic Designer (Contract)*

March 2023 – July 2025

- Helped grow YouTube subscribers from 80,000 to 208,000 in 2 years and raised email open rates 18% across 120,000+ subscribers through segmentation and A/B testing.
- Led production of 500+ Q&A video clips and organised them into themed playlists, building a searchable library around widely asked questions.
- Supervised a team of 5 across a 7-hour time difference to keep live streams and video releases on schedule.

*Marketing Analyst*

February 2023 – July 2025

- Prepared daily live streams, thumbnails and upload metadata, and analysed engagement data to guide content strategy.

## PROJECTS

### UnTune, real-time music removal system (final year project)

2026 – Present

*Next.js, React 19, TypeScript, Tailwind CSS, FastAPI, PyTorch, CUDA, ffmpeg* | [GitHub](#)

- Built the TypeScript frontend with 3 input modes (file, YouTube link, live audio) and 5 explicit job states (queued, downloading, processing, done, error) polled from a FastAPI queue.
- Designed a 3-tier architecture (Next.js frontend, FastAPI backend with an async job queue, Python streaming process) exposing 4 REST endpoints for health, submission, status and output.
- Reached 0.2 s end-to-end latency in live mode and 8 s per one-minute clip in batch mode after 20+ retraining runs and 1,000+ test passes.
- Demonstrated to 300+ attendees at the IIUM final year project showcase, including industry representatives, deans and judging panels.

### Zakat Fitrah Tracker, wallet-connected donation dApp

May 2026

*React, Vite, Ethers.js v6, MetaMask, Solidity, Hardhat, Express, MongoDB* | [GitHub](#)

- Built 3 role-based dashboards (donor, admin, beneficiary) for a workflow where admins must approve a beneficiary before any on-chain payout.
- Designed 4 explicit transaction states (pending submission, mining, 0/3 to 3/3 confirmations, verified) with Etherscan links, readable revert errors and PDF receipts.
- Handled 4 failure paths deliberately: wrong network with one-click switching, unauthorised roles via route guards, a paused contract, and cancelled scheduled payments with refunds.
- Wrote 29 contract tests across 10 scenarios, including a simulated reentrancy attack, and kept personal data off-chain with AES-256-GCM encryption.

### Quizy, AI-powered learning assistant

January 2025

*UX research, usability testing, Design Thinking* | [GitHub](#)

- Placed 2nd of 30+ teams in System Design at IIUM Human-Computer Interaction Day with an assistant that builds personalised study plans and adaptive quizzes.
- Reached an 85 System Usability Scale score, in the top 10% range, through iterative user research and usability testing.

### ALME, smart campus energy monitoring dashboard

March 2025

*JavaScript, HTML, CSS, Figma, Adobe Illustrator* | [GitHub](#)

- Built a responsive web app for real-time energy monitoring across campus facilities, with role-based dashboards and automated system toggling for facility managers.
- Prototyped the UI and user workflows in Figma and drew custom icons in Illustrator before building the frontend in HTML, CSS and JavaScript.

**Other projects:** [Facial emotion recognition](#) (CNN, 62.97% accuracy across 7 emotions on FER2013), [climate emissions modelling](#) with Markov chains, [TSP solvers](#).

## EDUCATION

### International Islamic University Malaysia (IIUM)

October 2023 – Expected 2027

*Bachelor of Computer Science (Honours), Software Engineering and Data Science* | CGPA 3.86/4.0

Kuala Lumpur, Malaysia

- Relevant coursework: Data Structures and Algorithms, Database Systems, Human-Computer Interaction, Machine Learning, Digital Forensics, Discrete Mathematics.

## LEADERSHIP

### Vice President, Association of Indian Students at IIUM

October 2024 – October 2025

- Led a 23-member committee through 7 events in one academic year, owning proposals, timelines, and sponsor and faculty negotiations.

### Co-Founder, My Quran Translations ([www.myquran.live](http://www.myquran.live))

2020 – Present

- Raised about \$50,000 to supply laptops, software and internet access to volunteer translators in developing countries.

### President, High School Reporters Club

2020 – 2022

- Grew student participation in photography, videography, design and reporting through workshops and events with external guests.

## CERTIFICATIONS AND AWARDS

- Best Concept Award and Silver Award, International Grand Innovatex 2026, for UnTune.
- 2nd Place of 30+ teams, System Design Competition, IIUM Human-Computer Interaction Day 2025.
- CS50x: Introduction to Computer Science, Harvard University (in progress, started July 2026).
- Introduction to Networks, Cisco (May 2023), including 50+ hands-on labs.
- National Representative, 38th Confluence International Festival 2017 (1,400+ participants from 125 countries).