

Yusof Selim

Software Engineering Student | AI Output Validation and Data Quality

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Full-time internship: 25 Jan - 23 Apr 2027

SUMMARY

Software engineering undergraduate focused on LLM output validation, human-in-the-loop review gates and deterministic fallbacks for production AI features.

EDUCATION

Sunway University | Dual award with Lancaster University
Bachelor of Software Engineering (Honours)

Expected Aug 2027

TECHNICAL SKILLS

Programming languages: TypeScript, SQL, Dart; Python (working knowledge)

AI integrations: Gemini / Vertex AI, ML Kit OCR

Quality methods: Rule-based validation, human review, regression testing, evidence traceability

Tools & data: Firebase, PostgreSQL, Vitest, Git, GitHub Actions

Spoken languages: English (fluent), Arabic (native)

SELECTED PROJECTS

Bupples | Sole Developer

Feb 2026 - Present

Overview: Mobile app for splitting shared expenses and managing personal budgets.

Flutter, TypeScript, Firebase, Gemini | iOS & Android | [Product](#)

- Integrated ML Kit OCR and Gemini receipt extraction with user review before extracted items changed expense balances through server-side finalization.
- Validated monetary figures in private-budget AI responses against an allow-list, substituting deterministic fallback text when validation failed.

Adelante

Jun 2026 - Present

Overview: Daily-quote app with offline reading, customizable widgets and content-review tools.

Flutter, TypeScript, Firebase | iOS app | [App Store](#)

- Tied editorial decisions to reviewed content versions using revision checks and atomic publication, with regression cases for eligibility, review consistency and conflicting editorial updates.
- Kept review-status and withdrawal rules active when search preferences broadened, applying content-eligibility filtering across indexed search and deterministic on-device recommendations.

CodeAtlas

Jul 2026 - Present

Overview: Local developer tool that links code changes to affected tests and replayable evidence.

TypeScript, Node.js, Vitest | [GitHub](#)

- Defined strict evidence-acceptance schemas requiring corroborating before-and-after execution traces, preventing false-positive regression verdicts in automated code evaluation.
- Built a local differential testing pipeline that selects affected tests and compares three runs per code revision, producing replayable evidence for a deliberately introduced authentication regression.

ADDITIONAL EXPERIENCE

Tajweed | UX & Frontend Collaborator

Feb 2026 - Oct 2026

- Specified guided lessons, stage progression and a Taj mascot; contributed navigation and Recite-flow redesign to a shared Next.js/TypeScript Quran-learning app.

Sunway Cybersecurity Club | Digital Marketing Executive

Jan 2026 - Present

- Manage the club's LinkedIn presence: write captions, plan campaigns and the posting schedule; volunteer on marketing videos (filming and editing), event committees and booth duty.