

MOHAMAD ALAME

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EDUCATION

American University of Beirut (AUB) — Beirut, Lebanon

BS Computer Science | Minor in Business Administration (*nearly complete*)

Expected Graduation: 2028

PROJECTS

N8N Multi-Agent AI Content Pipeline

Designed an end-to-end automated content workflow for a Saudi Arabian Odoo consultancy. Architected four AI agents: researcher, writer, editorial reviewer, and publisher, with iterative feedback loops between them. Evaluated and benchmarked multiple models per role using a custom scoring rubric to select the best-performing model for each task. The full pipeline triggers from a single Notion database entry and autonomously publishes approved SEO articles via Notion API call with no further client input. Self-hosted the N8N instance via Docker to eliminate subscription costs.

Tools and skills: N8N · API integration · LLM evaluation & benchmarking · Prompt engineering

AI Agent WhatsApp Integration

Configured and tested an OpenClaw AI agent integrated with WhatsApp for autonomous conversational messaging. Handled end-to-end setup including API key configuration and live testing of real-time autonomous response behaviour.

Tools and skills: OpenClaw · API integration

Business Case Study [Simulation Platform](#)

Built another web-based interactive case study simulation as a cost-saving alternative to licensed platforms used in my management course. Pitched the tool to AUB's OSB Case Hub director alongside my professor as a viable institutional solution.

Skills: HTML · CSS · JavaScript · AI-assisted development

AUB Campus Mobility App: [Interactive Prototype](#)

Built a fully interactive web prototype for a student campus transportation service featuring scooter rentals, scheduled bus reservations between upper and lower campus, and on-demand motorcycle taxi with automatic nearest-gate detection. Created for my marketing class project; our presentation was voted best product by both classmates and the professor.

Tools and skills: HTML · CSS · JavaScript · AI-assisted development · PowerPoint

Student-Professor Rating [Platform](#) (ICE+)

Designed and built a prototype web platform mirroring AUB's Instructor Course Evaluation system, enabling students to browse professor ratings by course and instructor before registration.

Skills: HTML · CSS · JavaScript · AI-assisted development

Course Registration Automation Script

Wrote an AppleScript automation on macOS to handle the repetitive data-entry steps of university course registration, reducing a tedious manual process to a single trigger that executes in seconds.

Tools: AppleScript · macOS Automator

RESEARCH: "Language in the Age of AI"

Co-authored a research paper examining how prolonged AI use reshapes human linguistic patterns and its implications for philosophical theories of meaning and communicative intent. Synthesised literature from philosophy of language, linguistics, and empirical AI research, including post-AI shifts in student writing quality independent of academic performance.

Research areas: AI ethics · AI governance · Linguistic theory · Philosophy of language

SKILLS

Programming: Java · Python (basic) · JavaScript · HTML · CSS · AppleScript

AI & Automation: N8N · Multi-agent workflow design · LLM evaluation & benchmarking · Prompt engineering · AI-assisted development · Claude Code · API integration

Tools: Excel · PowerPoint · Docker · JSON · Notion/Obsidian · GitHub · OpenClaw · Claude Code/Cowork

CS Foundations: Data Structures & Algorithms · AI agent configuration · Workflow automation

Languages: Arabic (Native, professional fluency) · English (professional fluency)