

Khaled Nasser

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EDUCATION

American University of Beirut (AUB) | *Beirut, Lebanon*

Expected Graduation: Jun. 2027

- B.E. in Computer Science and Engineering
- GPA: 3.75/4.0, Placed on Dean's Honor list for the semesters (Spring 2023, Fall 2024, Spring 2025)
- LIFE Scholar, Member of the ACM club, IEEE club, Investment Club, and AUB Consulting Club
- Relevant Courses: EECE 503N (AI in Industry), EECE 490 (Intro. to Machine Learning), EECE 331 (Design and Analysis of Algorithms), EECE 430 (Software Engineering), EECE 433 (Database Systems)

PROFESSIONAL EXPERIENCE

AUB, Undergraduate Research | *Beirut, Lebanon*

Mar. 2025 – Present

- Led a 3-member team in a systematic survey of state-of-the-art image segmentation, synthesizing 10+ seminal papers

Maids.cc, AI Business Analyst | *Beirut, Lebanon* (Dubai-HQ, Hybrid)

Jul. 2025 – Oct. 2025

- Diagnosed and fully rebuilt ATM card workflow, using chatbot-N8N automation to cut agent handoffs by 90%
- Developed 5 LLM-as-a-Judge Evals using prompt engineering for sentiment analysis on post-WhatsApp client conversations
- Led seamless communication between senior stakeholders and technical teams to align on project implementation

AUB, Research Assistant (Advisor: Prof. Daniel Asmar) | *Beirut, Lebanon*

Jan. 2025 – May. 2025

- Enhanced autonomous vehicle localization by integrating fisheye cameras and LiDAR with ORB-SLAM3
- Reduced scale drift of fisheye cameras in SLAM systems by 3%

Wakilni, Product Management Intern | *Dekwaneh, Lebanon*

Jul. 2024 – Sep. 2024

- Conducted market research on 5+ competitors and contributed to the design of a Warehouse Management System (WMS)
- Designed user stories and low-fidelity client pages in an agile environment to align the system with user and business goals
- Completed an 18-module foundational course on Product Management and applied the learned skills in my workspace

PROJECTS

Cognitive Readiness Model | *EECE 503N (AI in Industry)*

- Built a multimodal alertness model using WHOOP and phone behavior data to estimate cognitive readiness
- Designed a dynamic scoring pipeline that updates alertness based on phone behavioral stress predictions throughout the day
- Developed, deployed, and monitored ML services using AWS, MLflow, Prometheus, and Grafana

Factory Database Management System | *EECE 433 (Database Systems)*

- Designed and implemented a PostgreSQL database to manage multiple factory entities, optimizing joins and indexing strategies to improve query performance and data consistency
- Created the ER diagram using Draw.io to model entities, relationships, and normalization before implementation.

Currency Exchange Platform | *EECE 430L (Software Engineering Lab)*

- Built the Flask backend for a Currency Exchange Platform to track real-time exchange rates between USD, LBP, and JPY
- Developed and integrated a linear regression model to predict future exchange rates based on historical data and trend patterns
- Designed and managed a MySQL database for storing exchange rate histories and user transactions

EXTRACURRICULAR ACTIVITIES

180 Degrees Consulting Club, Consultant | *Beirut, Lebanon*

Feb. 2025 – May. 2025

- Crafted 30+ slides in a 100+ slide deck to deliver a strategic psychosocial framework for Lebanese Public Schools
- Conducted competitive market analysis on 5 NGOs to establish benchmarking criteria for a new Psychosocial Model

SKILLS & INTERESTS

Languages: Full Fluency in English and Arabic

Computer Skills: Python, AWS, MySQL, PostgreSQL, MLflow, Prometheus, Grafana, Git, C++, Java, Linux, MacOS

Interests: AI & Technology, Fitness & Performance Science, JiuJitsu, Basketball, Debating