

Abdulaziz M. Al Sayyed

Tripoli, Lebanon — +961 70 738 343 — abdulaziz.alsayyed@lau.edu — [LinkedIn](#) — [GitHub](#)

Summary

Computer Science graduate specializing in Artificial Intelligence and Machine Learning, with strong experience in building NLP and LLM-powered applications as well as full-stack web systems. Skilled in developing end-to-end solutions, including RAG pipelines, real-time applications, and scalable backend architectures. Experienced in data analytics, SQL, and dashboarding, with a solid foundation in both software engineering and AI-driven systems.

Skills

- **Programming Languages:** Python, Java, C, C++, JavaScript, PHP, HTML, CSS, LUA
- **AI & ML:** NLP, LLMs, RAG (Retrieval-Augmented Generation), Sentiment Analysis, Text Summarization, Clustering (DBSCAN, K-Means), Model Evaluation, Prompt Engineering
- **Data & BI:** SQL, Power BI, Looker Studio, Excel (Pivot Tables, Charts), Data Cleaning, KPI Reporting, Dashboards
- **Frameworks and Libraries:** Node.js, Express.js, React.js, Next.js, Socket.IO, Tailwind CSS, Transformers
- **Database Systems:** MongoDB, MySQL
- **Tools and Platforms:** Git, GitHub, Firebase, VSCode
- **Concepts:** OOP, MVC, RESTful APIs, Real-Time Systems, Parallel Computing
- **Languages:** Arabic (Fluent), English (Fluent)

Work Experience

Data Analyst / IT Support, Tempo Glass

Jun 2025 – Present

- Designed and maintained Looker Studio dashboards to monitor KPIs and improve data visibility for decision-making.
- Wrote SQL queries to extract, clean, and validate data for weekly/monthly reporting.
- Developed Power BI reports and visuals to support management decision-making.
- Automated recurring Excel reporting (Pivot Tables, charts) to improve consistency and efficiency.
- Provided IT support (Windows, printers, network/internet issues, software installation) across the company.

Software Developer Intern, Telepaty Holding

Aug – Oct 2024

- Developed RESTful APIs using Node.js and Express.js.
- Optimized backend logic and database queries in MongoDB and MySQL.
- Created technical documentation and improved API security.

Certificates & Training

AI & LLM Bootcamp

May 2025

Prompt engineering, LLM integration, AI application deployment.

Fundamentals of Accelerated Computing with CUDA C/C++

Oct 2024

Projects

Arabic Virtual AI Assistant (NLP + LLM System) ([GitHub](#))

2026

Python, Transformers, OpenAI API, Sentence Transformers, Streamlit

- Built a multi-task Arabic NLP system supporting translation, sentiment analysis, dialect detection, summarization, and RAG-based question answering.

- Integrated LLMs with traditional NLP techniques (TF-IDF, Logistic Regression) for hybrid performance.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline using embeddings and vector search.
- Designed an interactive UI using Streamlit for real-time user interaction.

CVision – LLM Resume Critique Tool (GitHub)

Jul 2025

Python, Streamlit, OpenAI API, PyMuPDF, Git/GitHub

- Built an LLM-powered web application for automated resume critique with structured scoring and feedback generation.
- Supported PDF upload and text input; extracted text using PyMuPDF and displayed results with a modern UI.
- Designed structured prompts and response parsing to generate consistent, category-based feedback.

LeNet-5 Optimization with Parallel Computing (GitHub)

Sep – Dec 2024

Python, OpenMP, CUDA, MPI

- Optimized CNN training and inference for digit recognition using multi-core and GPU acceleration.
- Improved performance using CUDA and parallel execution with OpenMP/MPI.

Craftsmen Network Platform (AI + Real-Time Marketplace) (GitHub)

Feb – May 2025

Node.js, Express.js, MongoDB, Socket.IO, Tailwind CSS

- Built a role-based gig marketplace with job posting, bidding, invitations, and admin workflows.
- Added AI-assisted job creation and ML-based content moderation to flag inappropriate content.
- Implemented real-time chat, notifications, and an XP-based skill ranking system.

Education

Graduate Professional Diploma in Artificial Intelligence and Data Science

Aug 2025 – Present

American University of Beirut (AUB), Beirut, Lebanon

Bachelor of Science in Computer Science

Sep 2022 – May 2025

Lebanese American University (LAU), Beirut, Lebanon

Full Merit Higher Education Scholarship (HES) funded by USAID