Mahmoud Chaer

Lebanon — LinkedIn — GitHub — mahmoudchaer.com
+961 3304305 — mahmoud.chaer@hotmail.com

EDUCATION

Bachelor of Engineering in Computer and Communication Engineering
American University of Beirut   Aug 2022 – Jun 2026

TECHNICAL TOOLBOX

– **Languages:** Python, C++, Assembly, Verilog, SQL, HTML, CSS

– **Cloud/DevOps:** Docker, Kubernetes, Nginx, Azure, AWS EC2

– **AI/ML:** TensorFlow, PyTorch, Keras, Scikit-learn, OpenAI API, MLflow

– **Databases:** PostgreSQL, MySQL, SQLite, pgAdmin4

– **Software/Tools:** VS Code, LabView, OrCAD PSpice, ANSYS HFSS, Vivado, Wireshark, Postman, Spyder Anaconda

EXPERIENCE

Python Programming Teaching Assistant *Aug 2023 – Dec 2023, Aug 2024 – May 2025* *AUB*
Supported over 100 students in Python mastery for EECE 230. Led lab sessions, debugged code, and designed exercises to strengthen conceptual understanding.

IT Support Helper *Jun 2023 – Oct 2023* *AUB IT Department*
Assisted 7,400+ users with technical troubleshooting across AUB and AUBMC. Gained expertise in diagnosing OS-level issues and deploying institutional software.

Assistant Manager *Jan 2022 – Aug 2022* *Chaer Trading Company*
Streamlined inventory workflows and managed key relationships. Strengthened logistics and boosted client satisfaction through improved systems.

Branch Assistant Manager *Jun 2019 – Sep 2019* *Le Cuistot Catering*
Supervised a team of 10 employees. Improved service speed and coordination during catering events.

RELEVANT PROJECTS   SEE MORE HERE →

DeepMed — Developed a secure, privacy-first no-code AI platform for doctors to train, evaluate, and deploy models on medical data without exposing patient information. GitHub

Eleva — eleva.today: A smart web platform helping 200+ AUB students schedule courses collaboratively using friend-based matching logic.

AI Career Advisor — Built an intelligent advisor that recommends jobs, projects, and courses based on CVs with 99% accuracy. Integrates NLP and semantic analysis. GitHub

YallaChat — Designed a networked messaging app for a university project. Implemented custom protocols and modular backend/frontend logic. GitHub

Restaurant Database System — Developed a database-driven app to streamline restaurant operations, orders, and staff data. GitHub

Image Classification AI — Developed a web app using Flask and FastAPI to classify uploaded images via a pre-trained ResNet18 model. GitHub

Customer Churn Prediction — Engineered ML models with MLflow tracking to predict customer churn across various datasets and configurations. GitHub