

Computer and Communications Engineer with a Master's in IoT and Smart Systems, skilled in software development, web technologies, and AI. Proficient in Python, Java, and modern frameworks, with a solid foundation in machine learning and deep learning. Passionate about building intelligent, scalable software solutions.

EDUCATION

Advanced Master in IoT and Smart Systems (IoT2S) Graduated 07/2025

Lebanese University, Faculty of Engineering

Relevant Courses: Deep Learning , Explainable AI, Embedded Systems for IoT, Cloud Computing and Big Data

Engineering Degree in Computer and Communications Graduated 07/2025

Lebanese University, Faculty of Engineering

Related Coursework: Machine Learning, Advanced signal processing, Probability, Statistics, Networking

Experience

Intern - Machine Learning | Innovative Technology Solutions Company (offshore) 07/2024 – 12/2024

- Developed a LightGBM model achieving 93% R^2 accuracy to forecast passenger volumes at Dubai DXB.
- Improved model accuracy by integrating web-scraped data on external factors like pandemics.

Intern - Communication Systems | OGERO (Lebanon's National Telecom Operator) 07/2023- 08/2023

- Assisted in network operations, communication protocol analysis, and signal troubleshooting.
- Supported data switching, transmission, and broadband maintenance tasks.

Projects

Final Year Project: Arabic Diacritization using Deep Learning | Lebanese University 02/2025-07/2025

- Implemented Transformer, RNN, and BERT models for Arabic text diacritization.
- Built a real-time diacritization web system optimized for speed and accuracy.

Face Recognition Lamp Control Project | Lebanese University 05/2024

- Developed a Raspberry Pi smart lamp using OpenCV for face-based activation.

RMI-Based Trivia Game | Lebanese University 02/2024

- Developed a multiplayer trivia game in Java using RMI.
- Enabled remote players to join via game code and receive real-time feedback.

Skills

- Programming & Web Technologies: Python, Java , C#, JavaScript,
- ML/AI Tools: PyTorch, TensorFlow, Keras, Scikit-learn, LIME, SHAP
- Database Management: SQL – MongoDB
- Languages: Arabic (native), English (Fluent), French (Intermediate)

Certificates

- LAU Model United Nations | Lebanese American University 2015
- Waznat for Leadership and Communication Program | Haigazian University 2019