

# Hadi El Messelmani

Lebanon | +96176878181 | [hadi.messelmani@outlook.com](mailto:hadi.messelmani@outlook.com) | [LinkedIn](#)

A highly motivated, adaptable, and detail-oriented computer engineer, passionate about continuous learning and problem-solving, seeking a challenging position to apply expertise in cloud computing, data analytics, machine learning, and software development.

## EDUCATION

### Beirut Arab University

Bachelor of Engineering in Computer Engineering

Debbieh, Lebanon

Sept. 2019 - May 2023

- Ranked 1st in the major, GPA: 3.96 / 4
- **Relevant Courses:** Intro to AI, Machine Learning, Deep Learning, Software Engineering, OOP, Computer Networks, Analysis and Design of Algorithms, Database Systems, Data Structures

## WORK EXPERIENCE

### Zero&One

AI & Data Analytics Intern

Beirut, Lebanon

July 2022 - June 2023

- Received AWS technical training and completed AWS Cloud Practitioner certification
- Architected and implemented AWS cloud solutions, strategically aligning them with business objectives
- Developed business acumen and presentation delivery
- Automated ETL operations and workflows
- Leveraged AWS CDK to deploy scalable solutions stacks, ensuing efficient provisioning, configuration, and seamless scalability of the infrastructure
- Created customized QuickSight dashboards meeting customers' specific requirements
- Utilized Sagemaker to train models and establish streamlined pipelines for enhanced efficiency
- Implemented an Arabic text-to-image solution using Stable Diffusion and AWS
- Employed a facial recognition payment system
- Executed two custom chatbot solutions using Lex and OpenAI

## PROJECTS

- **i-Waste:** An automated waste management solution using AWS, deep learning, sensor fusion, computer vision, and edge deployment, achieving 98.5% accuracy
- **Student Portal:** A software engineering application using SQL and python

## SKILLS

- **Expert:** Python, C, C++, Java, SQL
- **AWS:** CDK, SDK, Sagemaker, S3, QuickSight, Lambda, Rekognition, Glue, DynamoDB, Redshift, Greengrass, IAM, Lex, Transcribe, Translate
- **Libraries:** Pandas, Numpy, TensorFlow, Pyspark, Keras, Matplotlib, Scikit-Learn
- **Knowledge:** TypeScript, HTML, CSS, JavaScript, React, VHDL, Cisco, Assembly
- **Languages:** Arabic (native), English (fluent), French (fluent)

## LEADERSHIP & VOLUNTEERING

### IEEE

Treasurer

Beirut Arab University, Debbieh

- Managed the club's finances, ensuring transparency and accountability

### Al Makassed Volunteers

Khadija El Kobra, Beirut

- Contributed to empowering children by teaching them essential computer literacy skills