

GET IN CONTACT:

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Address: Khobar, Saudi Arabia

EDUCATION:

AMERICAN UNIVERSITY OF BEIRUT

(2019-2023)

Bachelor of Computer Science

University Scholarship Program (USP) – USAID (2019 - 2023)

Full Scholarship covering tuition, living expenses, and accommodation at AUB

PROFESSIONAL EXPERIENCE:

BEIRUT Artificial Intelligence Bootcamp

(Aug 2021 - Sep 2021)

I learned the main topics in AI, such as Machine Learning, Computer Vision, Natural Language Processing, Time Series Analysis.

Project:

TitleXEngine: a software that aims to efficiently generate titles for readings and articles to facilitate the process of understanding and learning.

Internship at Jafra Foundation

(July 2021 – Sep 2021)

- Worked in collecting and cleaning Data using Excel.
- Searching Tasks
- Tasks using Microsoft word, Excel, and PowerPoint

Software Developer Internship with Sentient360

(May 2022 – Aug 2022)

- Worked in a management system project with a creative team
- Participated in the whole software development process
- Technology Used (HTML, CSS, Bootstrap, Angular, PHP, and MySQL)

Data & AI Engineer at Softech

(June 2023 – Jan 2024)

- Database Administration using Microsoft SQL Server
 - Developed and optimized SQL queries, views, and stored procedures to facilitate efficient data retrieval and manipulation.
 - Monitored SQL Server performance, diagnosing and resolving issues related to system slowness and crashes.
 - Designed and implemented database schemas and relationships, creating Entity-Relationship Diagrams (ERDs) for various scenarios.
 - Mapped external data files to align with our existing database architecture.
- Big Data Management in a Linux Environment

- Utilized Apache Solr for storing large datasets, optimizing for quick indexing and search capabilities.
- Data Load Automation
 - Authored Python scripts to seamlessly integrate Solr and SQL databases, automating the data ingestion process.
- Natural Language Processing and Machine Learning
 - Fine-tuned language models such as GPT-3.5 and Llama 2 for specific use-cases.
- Information Retrieval
 - Created web scraping scripts to extract professional data from platforms like LinkedIn for analytics and research.

Data & AI Engineer at Nesma & Partners

(Jan 2024 – Present)

- Data Architecture & Pipeline Development
 - Designed and deployed robust, scalable data pipelines for 20+ enterprise applications using AWS services such as S3, Dynamodb, Glue, EC2, Step Functions, Redshift, and Athena.
 - Architected and maintained end-to-end data engineering solutions, ensuring efficient ingestion, transformation, and storage of structured and semi-structured data.
 - Implemented a modern Lakehouse architecture using Amazon S3 as the data lake and Amazon Redshift as the data warehouse, providing a unified data platform that powers both Business Intelligence reporting and AI/ML workloads.
 - Integrated data from multiple heterogeneous sources (ERP (Infor), SAP, .Net apps, APIs, Sensors, flat files) and applied advanced ETL processes to transform raw data into business-ready insights.
 - Defined and enforced data governance best practices, including data quality, lineage, cataloging, and security protocols.
- Business Intelligence & Data Visualization
 - Collaborated with cross-functional data analyst teams to deliver interactive dashboards and reports using Qlik Sense and Power BI, enabling data-driven decisions across departments.
 - Translated complex data models into actionable KPIs and visual narratives tailored to business stakeholders.
 - Served as a technical focal point for AWS-related strategy and operations, supporting both development and production environments.
- AI Agents & Automation
 - Lead the AI team and drive end-to-end AI initiatives, from identifying business use cases to designing, developing, and deploying AI solutions into production.
 - Designed and developed Nesma & Partners' Unified AI System, serving as a centralized platform for all company AI agents and automations.
 - Design and develop AI agents and workflow automations using AWS Bedrock, AgentCore, Strands, and n8n to automate business and operational processes.

SOCIAL ACTIVITY EXPERIENCE:

Outgoing Exchange Manager (AIESEC in Lebanon)

(July 2021 – Feb 2022)

- I was responsible for administering applications, conducting interviews, signing contracts with applicants, and assisting them in finding a suitable internship.

LOYAC LEBANON

(Jan 2020- Feb 2020)

- Supported engaging, fun, and smooth-running events by helping with organization and planning.
- Met with other volunteers and program leaders to discuss new service opportunities.

LEBANESE DOWN SYNDROME ASSOCIATION(AUB)

(Aug 2019– Dec 2019)

- I worked with intellectual challenges children, and I helped them in their classes and in public places.

Certifications

- DataCamp Certified Data Engineer
- AWS Certified Cloud Practitioner
- AWS Certified AI Practitioner Early Adopter
- AWS Certified Data Engineer – Associate
- DeepLearning.AI Data Engineering Professional Certification
- AWS Certified Solutions Architect – Associate
- AWS Certified SysOps Administrator – Associate