AMMAR ZAAROUR

NLP Researcher | AI Engineer | Data Scientist | Teacher

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CAREER OBJECTIVE

Motivated AI Engineer with experience in developing intelligent chatbots and data-driven solutions using NLP, LangChain, RAG, and machine learning. Seeking a role to apply expertise in AI and Data Science to create innovative and scalable chatbot systems.

EXPERIENCE

Internship – AISkilled, Lebanon   **08/2024 – Present**

- Developed an AI Sales Agent project submitted to Zaka.

- Integrated LangChain and RAG (Retrieval-Augmented Generation) to enhance the AI model's ability to retrieve relevant data and generate accurate, personalized responses in real-time.

- Coordinated with cross-functional teams to align AI model outputs with sales strategies.

AI Bootcamp – ZAKA, Lebanon   **05/2024 – Present**

- Mastered fundamental concepts and the language of Data Science.

- Learned effective representation techniques for recruiters in the Data Science field.

- Collaborated in a team to solve a real-world, research-oriented challenge.

- Developed self-learning and investigative skills in Data Science.

- Guided by AI instructors and engineers, gaining insights from real-life practitioners.

- Enhanced soft skills to become a full stack fit in a diverse Data Science team in the job market.

Internship – ICAM, Strasbourg, France   **06/2023 – 05/2024**

- Designed and implemented fine-tuning of Large Language Models (LLMs) on a private dataset to ensure accurate and relevant responses.

- Responsible for designing and implementing GenAI models and developing innovative GenAI applications.

- Gained hands-on skills in cutting-edge technologies and methodologies in the field.

Coding Instructor - KAYANY FOUNDATION, Lebanon   **01/2022 – 10/2022**

- Shared my passion for technology and programming with motivated and talented students.

- Designed and delivered engaging and interactive lessons on the basics of web development, including HTML, CSS, and JavaScript.

- Facilitated hands-on exercises and projects to challenge students to apply their skills and creativity.

Math Teacher – LOST Organization, Lebanon   01/2021 – 02/2022

- Taught math lessons to Lebanese and Syrian students in an after-school program.

- Provided academic support and guidance to students struggling with math to improve their skills and confidence.

- Designed and delivered customized lesson plans tailored to the needs and learning styles of each student.

Web Development Bootcamp – SE Factory, Lebanon   08/2021 – 11/2021

Intensive full stack web development program covering cloud architecture, frontend and backend development, source control, web application security, in addition to soft skills, over 12 weeks of lectures, workshops, and projects.

EDUCATION

Lebanese University - Hadath   11/2022 – 11/2023

M2 Research "Information System and Data Intelligence"

Lebanese International University - Beqaa   10/2020 – 06/2022

MSc in Computer and Communication Engineering

GPA: 3.32

Lebanese International University - Beqaa   10/2017 – 08/2020

BSc in Communication Engineering

GPA: 3.52

SKILLS AND ABILITIES

Programming Languages & Tools: Python, JavaScript, SQL, JupyterLab, GitHub, HTML, CSS, Docker, TensorFlow, PyTorch, Pandas, NumPy, Scikit-learn, REST APIs, Flask

Core Competencies: Software Development, Natural Language Processing, Machine Learning, Data Analysis, Data Visualization, Database Management, Web Development, Version Control (Git)

AI & Data Science: Transformer Architecture, Data Structures & Algorithms, Large Language Models, Deep Learning, Supervised/Unsupervised Learning, Feature Engineering, Model Evaluation, Neural Networks

Soft Skills: Problem-solving, Collaboration, Communication, Classroom Management, Continuous Learning, Leadership, Adaptability

CERTIFICATES

Arduino Course, Lebanese International University – *August 2019*

Full-Stack Web Development Bootcamp, SE Factory – *November 16, 2021*

Introduction to AI, Beirut AI – *February 5, 2021*

Digital and Media Literacy, Dot Lebanon – *May 2020*

Mathematics for Machine Learning, John Kron – *April 2024*

The NumPy Stack, The Lazy Programmer – *May 2024*