

Hilal Fakher Eddine

Data Scientist | Machine Learning Engineer | Web Developer

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Career Objective

Seeking a Data Science position at a tech company that works in building, deploying and optimizing AI models, implementing advanced data analytics and machine learning techniques, analyzing data sets and formulating insights to support their initiatives with the latest advancements in AI either hybrid in Lebanon or remote outside Lebanon. I aim to apply my strong programming skills to projects, master complex algorithms, and enhance my ML expertise. Striving to improve code quality, efficiency, and documentation through rapid learning and deep technical knowledge.

Key Competencies

C++, Python, Python Libraries (Numpy, Pandas, Matplotlib), Databases (MySQL, MongoDB), Machine Learning algorithms, Machine Learning advanced data types, ML Frameworks (TensorFlow, PyTorch, Scikit-learn), Data Processing, Data Analysis, Data visualization, Node.js, Express.js, MVC, RESTful APIs, Authentication and Authorization, Back-End Testing, Integrating front-end and back-end technologies, Building back-end for Web Applications, Performance Optimization.

Education

Bachelor Degree in Computer Science
Notre Dame University, Lebanon

Sep.2020 - Dec. 2023

Work Experience

ZAKA AI

May. 2024 – Oct. 2024

Data Science Capstone Project

- Built a model from start to end and mastered Python, Machine Learning algorithms and techniques, and Machine Learning advanced data types especially Time-series and Computer Vision (semantic segmentation).
- Understood and implemented the Data Science Lifecycle in many projects, from Business Understanding, Data Mining, Data Cleaning and Exploration, Feature Engineering, to Visualize Results and Formulate Insights.
- Applied industry best practices for agile development, project management, and teamwork.
- Worked on a real-world project using traditional Deep Learning models and Continual Learning models (class incremental):
 - Understood the Business problem seamlessly
 - Simplified a big-size and complex dataset for ease of access during training, testing and validating

- Recommended actions based on extracted insights from visualizing results (TensorFlow) and metrics' values that led to what algorithms and libraries to start with in future ML projects and what to exclude (for semantic segmentation models)
- Proved effective teamwork collaboration and communication skills

Freelancer

Feb. 2020 – Present

Computer Consultant and Hardware Support

- Conduct thorough assessments of client requirements and recommend suitable notebook models based on their specific needs.
- Provide ongoing maintenance and support for client computers.
- Diagnose and resolve hardware issues, including testing and repairing computer components such as processor, memory, battery, and storage devices.
- Upgrade and improve the hardware of client computers to enhance their performance and meet evolving technological requirements.

Park Innovation, Lebanon

June.2023 – Oct.2023

Web App Developer - Intern

- Developed a web application using Node.js, Express.js and MySQL.
- Collaborated effectively with team members to ensure seamless integration and delivery of project milestones.
- Used GitHub to manage version control, track changes, and facilitate collaboration among team members.
- Conducted thorough testing and debugging to ensure the application's functionality and performance.
- Implemented best coding practices and followed software development methodologies to ensure high quality code.

Certifications & Trainings

- **Certified Data Scientist, ZAKA AI** Oct.2024
- **Full Stack Development Certification, Park Innovation** Sep.2023
- **Resilient Youth Leading Healthy Lifestyles, CDLL, ARK & MEPI** Sep.2023
- **NDG Linux Essentials, Cisco** July.2022
- **NDG Linux Unhatched, Cisco** June.2022
- **Fundamentals of Accelerated Computing with CUDA C/C++ - NVIDIA** March.2022
- **Introduction to Cybersecurity, Cisco** June.2021

Extracurricular Activities

- **Treasurer of Music Club, NDU** 2022 - 2023
- **Member in Fayha Choir** 2022 - 2023
- **Volunteer Teacher for Computer Science Students** 2020 – 2023

Additional Information

Computer Skills: Microsoft Office (Word, Excel, PowerPoint)

Additional Skills: Time Management, Problem-Solving, Fast Learner, Strategic Planning, Skill Development, Attention to Detail, Teamwork, Leadership

Languages: Arabic (Mother Tongue), English (Fluent)

Interests: LLMs, Computer Vision, Web Development, Cyber Security, Post-quantum cryptography (PQC), Quantum Computers