

Fadel Danab

Machine Learning Engineer | AI Engineer | Data Scientist | Data Analyst
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Education

Lebanese International University, Saida, Lebanon
Master of Science in Computer Science

(In Progress)

Lebanese International University, Saida, Lebanon
Bachelor of Science in Computer Science
GPA: 3.49 / 4.00 | Dean's Honor List (2023-2024)
Recognized for academic excellence and active contributions to departmental initiatives.

Oct 2020 - Jan 2024

ZAKA AI, Remote

May 2025 - Oct 2025

Machine Learning Engineer Trainee

- Completed a 20-week intensive training program covering supervised/unsupervised learning, deep learning, NLP, computer vision, and ML deployment.
- Applied AI models in simulated production environments and performed research-driven experimentation.

Professional Experience

Internship ZAKA AI

Machine Learning Engineer Trainee

Aug 2025 - Oct 2025

- Developed an **AI-powered presentation generation system** that converts user prompts into structured PowerPoint slide decks.
- Designed a **content generation pipeline** to transform raw ideas into organized slides (Title, Agenda, Problem, Solution, Methodology, Results, Conclusion)..
- **Fine-tuned a language model** on a custom dataset and predefined slide schema to ensure consistent formatting and professional content structure.
- Integrated **AI image generation** to automatically create relevant visuals, improving slide quality and presentation engagement.
- Applied **prompt engineering and output validation techniques** to enhance generation accuracy, coherence, and reliability.
- Evaluated and iteratively improved the system using **academic and business presentation use cases**.

Freelance, Remote

Freelance Web Developer

Apr 2023 - Jan 2024

- Designed and deployed full-stack web apps with responsive UI and dynamic backend logic.
- Built platforms, including a doctor appointment system and a car rental platform with integrated pricing and booking logic, and others.
- Integrated AI APIs and developed RESTful APIs using PHP and Express.js

Neubility, Remote

Feb 2023 - Nov 2023

South Korean robotics company developing autonomous delivery robots using sensor fusion and AI.

Freelance Data Annotator

- Supported vehicle detection model development by annotating objects in LiDAR point clouds and camera images.
- Aligned 2D and 3D bounding boxes using AWS-based tools, ensuring multi-view consistency and correcting annotation errors.

Certifications

Microsoft PL-300T00 - Data Analysis with Power BI, 2025

- Completed hands-on training in data preparation, modeling, and visualization using Power BI, including DAX formulas and interactive dashboards.

IBM Machine Learning Professional Certificate, Coursera, 2024

- Deep Learning and Reinforcement Learning (Dec 2024, 32 hrs.)
- Unsupervised Machine Learning (October 2024, 23 hrs.)
- Supervised Machine Learning: Classification (September 2024, 24 hrs.)
- Supervised Machine Learning: Regression (August 2024, 20 hrs.)
- Exploratory Data Analysis for Machine Learning (August 2024, 14 hrs.)

AI Integration Workshop |Hariri Foundation for Sustainable Human Development| Jun 2024

Machine Learning & AI Workshop | Oreyeon Company | Jul 2024

• Gained hands-on experience in computer vision, machine learning, and deploying AI-powered applications using AWS cloud services.

Technical Skills

Tools & Languages: *Python · SQL · PHP · JavaScript · HTML/CSS · AJAX · jQuery · REST APIs · Express.js*

Packages: *Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels, Jupyter Notebook*

Machine Learning: *Linear/Logistic Regression, Regularizations, Supervised/Unsupervised Learning · Deep Learning · NLP · Model Evaluation · Feature Engineering*

Languages & Additional Information

• Language: Arabic (Native) · English (B2 – Upper Intermediate)

• Awards: Dean's Honor List (2023–2024), Lebanese International University

• Activities: Mentored students on academic and technical projects (web & ML)

Interests: AI in healthcare · Chatbot development · Computer vision · Data storytelling · Educational tech · Community learning