

# Ahmad El Any

Computer Science graduate with hands-on experience in software development, data-driven applications, and system design.

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## Summary

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Computer Science graduate with hands-on experience building software applications, data-driven systems, and web-based tools. Skilled in python development, database management, and problem-solving. Experience working on end-to-end projects from implementation and testing to deployment.

## Education

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### Notre Dame University Koura, Lebanon

B.S. in Computer Science - Information Technology

**ZAKA Machine Learning Specialization 2025:** 20-week program covering ML algorithms, Deep Learning, CV, NLP, and ML deployment.

## Experience

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### ZAKA

Jan 2026 – Apr 2026

*Machine Learning Engineer Intern – Remote*

- Designed an AI-powered space planning system with ML-based decision making and modular architecture.
- Conducted quality assurance testing for an AI chatbot system, identified bugs, edge cases, and inconsistencies in responses to improve model reliability.

## Projects

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### ZAKA Capstone Project: Face Clustering App

- Built a face recognition and clustering app that groups photos by individual.
- Integrated MTCNN for detection and FaceNet for embeddings.
- Implemented K-Means, DBSCAN, Agglomerative Clustering, and t-SNE visualization.
- [Link to repository](#)

### MedBot: LLM Fine-Tuning

- Leveraged PEFT and 4-bit quantization to successfully fine-tune a 20B-parameter LLM on a single T4 GPU, enabling accurate medical QA despite hardware constraints.
- Optimized training using gradient accumulation and the Hugging Face PEFT library.
- [Link to notebook](#)

## Technical Skills

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Python , PostgreSQL, TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Matplotlib, PEFT, Roboflow, Streamlit, Google Colab, Git/GitHub, JavaScript, HTML/CSS

## Soft Skills & Languages

Problem-Solving, Adaptability, Analytical Thinking, Team Collaboration

Languages: Arabic (Native), English (Fluent), French (Basic)

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