

# Joy Andraos

Dedicated machine learning enthusiast with a passion for teaching.

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## Education

<b>BS in Computer Science, with specialization in Artificial Intelligence and Data Science</b> Lebanese American University, Byblos   Grade: 3.14/4.0	AUG 2021 – DEC 2024
<b>French and Lebanese Baccalaureate in General Science</b> Collège Notre Dame de Nazareth, Beirut   Grade : 16.41/20	SEP 2006 – JUN 2021

## Experience

<b>AI Engineer Intern</b> 📍 <b>Exeo, Mkalles</b>	JUN 2024 – JUL 2024
Developed an AI-driven chatbot using the LLM model text-bison@002 for accurate user interactions based on specific documents. My tasks included: <ul style="list-style-type: none"><li>Processing and embedding documents, fine-tuning the chatbot, and performing thorough testing.</li><li>Implementing an outbound API and creating web hooks for integration with external services.</li></ul>	
<b>Machine Learning Teacher</b> 📍 <b>BMB Academy, Beirut</b>	APR 2024 – JUL 2024
<ul style="list-style-type: none"><li>Simplified complex Python and Machine Learning concepts while guiding students through practical projects to reinforce their understanding and build their confidence in AI and programming skills.</li></ul>	
<b>Robotics Instructor</b> 📍 <b>J-Tech Academy, Beirut</b>	OCT 2023 – MAY 2024
<ul style="list-style-type: none"><li>Introduced children aged 6 to 8 to basic programming concepts with Scratch and helped them develop problem-solving skills and understand fundamental robotics through interactive play with Earl Robots and Cubelets.</li></ul>	

## Certifications & Awards

• Deep Learning Specialization, DeepLearning.AI <a href="#">🔗</a> <a href="#">🔗</a> <a href="#">🔗</a>	FEB 2024
• Machine Learning Specialization, DeepLearning.AI <a href="#">🔗</a>	DEC 2023
• Best design in the AI category of the Engineering Student Design Competition, LAU	MAR 2023

## Projects

• Earthquake Impact Prediction using Linear Regression <a href="#">🔗</a>	OCT 2024
• YOLOv8 Pothole Detection Model Optimization <a href="#">🔗</a>	MAY 2024
• Handwritten Digit Classification Using CNN <a href="#">🔗</a>	FEB 2024
• Gesture Genius, the Lebanese Sign Language Translator <a href="#">🔗</a>	MAR 2023

## Technical Skills

<b>Programming Languages:</b> Python, R, Java, C, HTML, CSS, JavaScript, PHP	<b>Technical Knowledge:</b> Data Science, Deep Learning, NLP, LLMs, OOP, Data Structures & Algorithms
<b>Frameworks/Libraries:</b> TensorFlow, Keras, Pandas, Hugging Face, NumPy, scikit-learn, Seaborn	<b>Tools:</b> Git, MySQL, Google Cloud

## Activities & Societies

**Community Service:** Active missionary member, organizing and participating in charity events alongside trainings in leadership, teamwork, and community outreach.

## Languages

**French** Native / bilingual proficiency  
**English** Full professional proficiency  
**Arabic** Full professional proficiency