

Omar Al Zoghbi

Junior Machine Learning Engineer

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GitHub: <https://github.com/Omarrzl4/My-Projects/tree/main>

Education

Bachelor Degree in Computer Science

Lebanese International University, Beirut (2021–2025) | GPA: 3.7/4.0

Relevant Courses: Machine Learning, Artificial Intelligence, PHP, Java

Key Competencies

- Large Language Models: GPT architecture, tokenizer encoding/decoding, vector embeddings, instruction fine-tuning, model deployment with Hugging Face
- Machine Learning: Classification, Regression, Clustering
- Software: HTML, CSS, PHP, SQL, Flutter, Java
- Tools: TensorFlow, PyTorch, Keras, Scikit-learn, Git, Google Colab, Hugging face, VS Code

Projects

- **Ochat-Chatbot (March 2025 – April 2025):** Built a GPT architecture from scratch, loaded GPT-2 pretrained weights, instruction fine-tuned it on a custom dataset based on my resume information, and deployed it on Hugging Face Spaces.
Link: <https://huggingface.co/spaces/Omare46/Ochat-chatbot>
- **Alzheimer Disease Detection (Nov 2024 – Dec 2024):** Implemented K-Nearest Neighbors (KNN) and Random Forest classifiers to predict whether a patient has Alzheimer's based on key medical features.
Link: https://github.com/Omarrzl4/My-Projects/tree/main/Alzheimer's_Disease_Detection
- **Hotel Reservation Website (Nov 2024 – Dec 2024):** Designed and developed a dynamic hotel booking website using HTML, CSS, and PHP, ensuring a user-friendly interface for guests.
Link: <http://fourseasonshotell.atwebpages.com/>

Certifications

- Computer Vision (Kaggle)
- Intro to Deep Learning (Kaggle)
- Intermediate Machine Learning (Kaggle)
- Network Security (Cisco Networking Academy)

Languages

- Arabic
- English