

Abdessamed Ouahabi

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Education

Tahri Mohamed University of Béchar

Bachelor's in Computer Science

Graduated with a focus on Artificial Intelligence and Software Engineering.

Béchar, Algeria

2021–2025

Experience

Tahri Mohamed University of Béchar

Research Assistant

Béchar, Algeria

2023–2025

- Contributed to the research article: *Predicting University Student Enrollment in Algeria: A Data-Driven Approach*.
- Participated in data analysis, feature engineering, and machine learning model development.

Projects

CEFR Quiz System: Built a full-stack quiz app with CEFR-level detection using MongoDB, Next.js, and TypeScript.

AI Document Chatbot: Developed a document assistant using LangChain, FAISS, HuggingFace, and LLM APIs. Supports multi-PDF input with Arabic language support.

YouTube Transcript Summarizer: Summarized video content using Python, YouTubeTranscriptAPI, and LLaMA 3.

ML Experiments: Explored deep learning tasks such as sentiment analysis, embeddings, and classification using TensorFlow and PyTorch.

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C, SQL, NoSQL **Frontend:** React.js, Next.js **Backend:** Node.js, Express.js **ML/DL:** TensorFlow, PyTorch, Scikit-learn **LLMs & NLP:** LangChain, HuggingFace, Gemini, LLaMA 3, FAISS **Databases:** MongoDB, PostgreSQL **Tools:** Git, Streamlit, REST APIs, YouTubeTranscriptAPI

Certifications

Prompt Engineering: ChatGPT Prompt Engineering for Developers – <https://learn.deeplearning.ai/accomplishments/6b858bce-83a7-427c-8c20-79b33a46adbb>

LangChain Dev: LangChain for LLM Application Development – <https://learn.deeplearning.ai/accomplishments/e4a708a0-f4e8-47e3-a121-5affe069975e>

Chat with Data: LangChain: Chat with Your Data – <https://learn.deeplearning.ai/accomplishments/86a2f3fa-af4f-4701-b>

Interests

Generative AI, Agents, Chatbots, NLP

Retrieval-Augmented Generation (RAG)