CONTACT

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EDUCATION

since 2022
UNIVERSITY OF GUELMA

- AI engineering

CERTIFICATIONS

- Machine Learning Specialization (DeepLearning.AI, Stanford University)
- Linear Algebra for Machine Learning and Data Science (DeepLearning.AI)
- Calculus for Machine Learning and Data Science (DeepLearning.AI)
- The Bits and Bytes of Computer Networking (google)
- Back-End Developer Capstone(meta)
- APIs (meta)
- **The Full Stack (meta)**
- Version Control (meta)
- NDG Linux Unhatched (Cisco)
- The 21st century skills training (World Learning)

LANGUAGES

- Arabic
- English
- French

AMAR ABDELDJALIL BOUAKAZ
AI STUDENT | SOFTWARE ENGINEER

I am a computer science engineering student at the University of Guelma, specializing in software engineering, (particularly backend development) , and artificial intelligence. With a strong foundation in programming nurtured since middle school, I am adept at problem-solving and team collaboration, eager to leverage my technical expertise to create innovative solutions.

WORK EXPERIENCE

Tech Geeks Club Guelma — SINCE 2022
management staff and developer

Winner, Cyber Security day CTF — Nov. 2023

Tech Geeks Club Guelma — 4 Nov. 2023
Workshop Facilitator `introduction to Algorithms

Winner, Google DevFest Hackathon — Dec. 2023

Tech Geeks Club Guelma — 24 Feb. 2024
Workshop Facilitator `introduction to version control`

GDG Club Constantine — 4 Mar. 2024
Workshop Facilitator `introduction to comuter science`

Evact Company (internship) Constantine — mar 2024 (5 months)
Software Engineer

Tech Geeks Club Guelma — Mar. 2024
organizer : ai24day event

micro club — Apr. 2024
participated in microhack (hachathon)

AI House Guelma — Jul. 2024
member
- currently we are working on LLMs and biomedical projects

Huawei - **algeria** + **china** — Aug. 2024
Participated in Huawei seeds for the future

Tech Geeks Club Guelma
Workshop Facilitator `introduction to python

SKILLS

- **programming languages :** python , js , java , c/c++ , php
- **database :**
  - sql   : mysql , postgress, sqlite
  - nosql : mongodb , redis , qdrant ,neo4j
- **AI & DS:** tensorflow , sklearn , keras , numpy , pandas , matplotlib , seaborn , nltk , langchain
- **Backend :** django ,DRF ,flask ,expressJS, fastAPI

SOME PROJECTS

Tech Geeks club webapp :

Developed a web application using Django to manage event and members for the Tech Geeks club. Features include dynamic, Google Forms-like form creation for individual events and additional event-handling functionalities.

Message Aggregator System:

Created a multi-platform message aggregation system to consolidate messages from Facebook (Messenger), Instagram, WhatsApp, Telegram, and more into a single app. Built with Express.js, RabbitMQ, Redis, and SQL databases for efficient message handling and queuing.

School Management System:

Developed and deployed a comprehensive School Management System for the Intensive Institute for Languages of Guelma, leveraging Django to manage academic and administrative processes.

SolveIt Platform:

Designed and built a problem-solving competition platform inspired by LeetCode/HackerRank, named "SolveIt," using Django. The platform facilitates coding challenges.

Chatbot (In Progress):

Building a Retrieval-Augmented Generation (RAG)-based chatbot for the university . The chatbot leverages FastAPI, Ollama, Qdrant, Redis, MongoDB, and Flutter for real-time query handling, knowledge retrieval, and smooth user interaction.

Some Other Projects :

- Real Estate Management System
- Team Collaboration Systems
- strKit a C lang lib to handle strings
- Neural-Style-Transfer project
- DigitRecognition using VGG16
- spam-detection
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