ABDELAZIZ MERZOUG

CONTACT

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- ▼ Tipaza, Algeria
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P ROFILE SUMMARY

Motivated third-year Computer Science student with solid academic and practical experience in software engineering, web development, Al, and cybersecurity. Builder of Algeria's first GPT-powered legal assistant chatbot. Passionate about leveraging technical knowledge to create real-world solutions and continuously learning cutting-edge technologies.

E DUCATION

2022 - 2025

UNIVERSITY OF SAAD DAHLAB BLIDA 1

 Bachelor's Degree in Computer Science (ISIL track)

2022

LYCÉE AHMED CHERIF KHALED BOUSMAHA

• Baccalauréat Scientifique, 2022

SKILLS

- Programming: Python, C, Java
- Web Development: HTML, CSS, JavaScript, Next.js, TailwindCSS
- Databases: MySQL, PostgreSQL, Supabase
- AI/ML: GPT, Generative AI, Embeddings
- Cybersecurity: OS, Networking, Risk Analysis
- Tools: Git, GitHub, Linux CLI, Vercel, Figma, pgvector

LANGUAGES

- Arabic: Native (C1)
- English: Upper-Intermediate (B2)
- French: Upper-Intermediate (B2)

E XPERIENCES

Virtual Exchange Program

2020-REMOTE

- Collaborated with international peers (USA & MENA) on digital civic engagement activities.
- Learned digital teamwork, cross-cultural communication, and leadership in remote environments.
- Participated in virtual debates and team challenges using collaborative tools (Zoom, Slack).

Algerian STEAM Center

2019, 2020, 2024- Participant

- Took part in national STEM camps focusing on robotics, innovation, and creativity.
- Strengthened problem-solving, logical thinking, and project-based collaboration.
- Worked on mini-projects blending programming and hardware concepts in a team setting.

PROJECTS

- Algerian Legal Assistant Chatbot: GPT-powered chatbot with multilingual UI, vector DB (Supabase + pgvector), RAG, deployed on Vercel. Final grade: 17/20
- Dentist Website: Built responsive website using HTML, CSS, JS. Handled UI/UX and frontend & backend logic.
- Al Chatbot Prototype: Python-based chatbot using LLM concepts.
 Part of team project in an 8-week Al training program.

C ERTIFICATIONS & COURSES

- Python for Everybody University of Michigan (data structures, APIs, databases)
- Generative AI Google Cloud (LLMs, prompting, embeddings, RAG)
- Cybersecurity Foundations Google (CIA triad, threat modeling)
- OS & Networking Google/NVIDIA (Linux, shell, TCP/IP)
- Web Dev Johns Hopkins / Michigan (HTML, CSS, JavaScript)
- Learning How to Learn Deep Teaching (focus, memory, study techniques)