

ILYAS EZZAHRIOUI

+212 665482358 • ilyasezzahrioui@gmail.com
LinkedIn : Ilyas Ezzahrioui

SUMMARY

A driven junior computer science student at Al Akhawayn University, considering a combined Bachelor-Master degree. Passionate about innovative problem-solving and advancing AI applications, with a strong foundation in software development, data structures, and machine learning. Experienced in both individual and collaborative projects, demonstrating leadership and adaptability in fast-paced environments. Seeking a challenging opportunity to leverage technical expertise, drive engineering excellence, and contribute to impactful technological solutions.

PROJECTS

AI Mentor App for Traders – TramentAI

Dec 2024 - Jan 2025

- Designed and implemented a subscription-based AI platform offering personalized trading insights.
- Developed advanced algorithms in collaboration with Gemini API, reducing analysis processing times by 20%.
- Collaborated with Bolt.new to create an intuitive user interface, improving user satisfaction rates.

SmartCV App & TextAnalyzer

Sep 2024 - Dec 2024

- Contributed to the backend development of the SmartCV app using Python and Flask, implementing APIs for user authentication, profile management, and dynamic CV analyzing.
- Optimized backend processes, reducing response times by 25% and enhancing scalability.
- Built TextAnalyzer, an NLP-based tool using Python and spaCy for named entity recognition (NER) to analyze and rank CVs based on skills and experience.
- Streamlined data preprocessing pipelines, reducing runtime by 30%, and achieved 95% accuracy in NER through rigorous testing and validation.

Academic Projects

Sep 2023 - May 2024

- Developed a Real Estate Management System in Java to demonstrate object-oriented programming concepts, implementing features like property management, client tracking, and reporting modules.
- Created Data Structures and Algorithms Projects in C, including a library management program and maze solver, optimizing algorithms for improved performance by up to 25%.
- Designed and optimized relational databases using PostgreSQL for applications like inventory management and student records.
- Implemented MongoDB for NoSQL solutions, improving query performance by 15% through effective database optimization techniques.

EDUCATION

Bachelor of Science in Computer Science

Sep 2022 - May 2026

Al Akhawayn University in Ifrane

- Minor in Business Administration.
- Considering Combined Bachelor-Master degree.

ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, C, NLP, spaCy NER, PostgreSQL, MongoDB, Flask, AI Development, Backend Development, Machine Learning, Software Development, Data Structures, Object-Oriented Programming (OOP)
- **Soft Skills:** Collaboration, Leadership, Teamwork, Communication, Problem-Solving, Adaptability, Creativity
- **Languages:** Fluent in English, French, Arabic; Beginner to Intermediate in German
- **Certifications:**
 - Quantum Machine Learning, University of Toronto (Issued Sep 2022)
 - Java, Sololearn (Issued Feb 2022)
 - CS50: Introduction to Computer Science, HarvardX on edX (Issued Jan 2022)
- **Awards/Activities:** Awarded for being an active member in the humanitarian club Al Qalb Lkbir at Al Akhawayn University