KENZA TOREIS

Computer Science Student
Al Akhawayn University in Ifrane

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EDUCATION

Bachelor of Engineering
Advanced Computer Science
Al Akhawayn University
Minor in Business Administration
August 2021 - December 2025

High School Diploma
Groupe Scolaire Scientifique
Rabat - Mention Très Bien
2016 - 2019

PROGRAMMING LANGUAGES

Java, Python, JavaScript, TypeScript, C#, C

SOFTWARE DEVELOPMENT FRAMESWORKS

Spring Framework Ecosystem, Angular, React, Node.JS, DotNet. Next.js

DATABASE

Relational Database: PostgreSQL, Oracle, MySQL
NoSQL Database: MongoDB
DB Querying Language: SQL, PL/SQL

SOFTWARE ENGINEERING

Version Control: GitHub, GitLab, SVN
Software Testing: JUnit, Selenium, NUnit, Postman, Swagger

CERTIFICATES

AI for everyone: Issued by DeepLearning.AI
[Link](#)
Responsive Web Design: Issued by FreeCodeCamp | [Link](#)

HOBBIES

Graphic and Digital Design: Photoshop and Adobe Illustrator
Drawing: Digital and Traditional

CLUBS

Pet Club: Member of the Organization Committee.
Japanese Club: I took level 1 Japanese class.
Orchestra Club : I took guitar lessons.

LANGUAGES

English: Bilingual

French: Bilingual

Arabic: Native

PROFILE

Passionate software engineer in the making, currently in my final year of the Bachelor of Engineering in Advanced Computer Science at Al Akhawayn University in Ifrane. My academic journey has equipped me with a strong foundation in software development, system design, and technical problem-solving, fostering both analytical thinking and creativity.Beyond academics, I've actively engaged in hands-on projects and internships, applying theoretical knowledge to real-world challenges. I thrive on building scalable, efficient, and innovative solutions that drive impact. With a keen interest in emerging technologies and continuous learning, I am eager to contribute to a forward-thinking team where I can collaborate, grow, and solve complex challenges.

PROFESSIONAL EXPERIENCE

Software engineering Intern at ONCF (Office National des Chemins de Fers)
June 2024 - August 2024

Mission:
Software development of an automated testing framework dedicated to ONCF E-commerce platform.

Technical tools:
C# programming language- DotNet- Selenium libraries - NUnit - GitHub Version Control - Github Actions Workflow

Objectives:
- Automation of regression testing for various workflows including the ticket purchasing process, and customer post purchase service handling.
- Optimization of C# test scripts
- Handling complex scenarios like dynamic form interactions.
- Integration of test summaries and error logs for enhanced tracking.

ACADEMIC PROJECTS PORTFOLIO

SmartCity Management System
Native Java Programming
This project aimed to develop a comprehensive system for managing smart buildings and their associated infrastructure.

CampusHome Website
Flask, React, PostgreSQL, Gemini API
Implemented this campus housing system during the AUI SSE innovation day in collaboration with **Capgemini.** Developed a full-stack web application for university dorm management, enabling secure room booking, generative ai roommate matching, and complaint handling.

IOT Management system
Intensive Design of Data Applications | Python and Apache Kafka.
Implemented an IoT data streaming process using Apache Kafka, enabling real time sensor data processing and storage for analysis. Integrated Python libraries for data visualization and management through a user-friendly interface.

BookSphere Database App
Desktop Application | Python.
Developed a comprehensive Python-based application integrated with PostgreSQL for managing university bookstore operations, including real-time inventory tracking, order processing, and reporting, enhancing the overall user experience and operational efficiency.

IoT-Based Smart Energy Monitoring System
Built a smart energy simulation system on Particle Photon, with C firmware and Particle Cloud integration, for remote control and real-time power monitoring of appliances.