

MOHIEDDINE FARID

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SKILLS

- **Programming:** C, C++ (Competitive Programming, OOP), Java (Spring Boot, OOP), Python (Scripting & Scraping), JavaScript, Git/GitHub, SQL, Assembly, GO, LaTeX.
- **Web/Mobile Development:** JavaScript, NextJS, NodeJS, HTML/CSS, Tailwind, React Native, Laravel.
- **Other:** Networks, Databases, Microsoft Azure, Databricks, Windows, Linux, Agile, Docker, TDD, Design Patterns, Apache.

WORK EXPERIENCE

B2BLink: *Machine Learning Engineer Intern, Rabat* 06/2024– 08/2024

- Crafted custom NLP and image recognition models with NLTK and OpenAI API to extract nuanced automotive data from Facebook Marketplace, cleverly adapting techniques to a small dataset.
- Developed and optimized CNNs using TensorFlow's Keras to enhance feature extraction and improve the precision of automotive listings classification.
- Seamlessly integrated machine learning models into a Next.js web application, enabling real-time data updates and significantly enhancing the user experience with accurate, context-aware insights.

Green Energy Park: *Mobile Application Developer Intern, Ben Guerir* 02/2024 – 06/2024

- Designed an intuitive real-time mapping system using Google Maps SDK and PostgreSQL, enabling users to locate EV charging stations and nearby services with enhanced precision and ease.
- Built a scalable cross-platform application with Node.js backend, ensuring reliable operations and enhanced user engagement.

PROJECT

LSM Tree-Based Key-Value Store with Go || Ben Guerir 10/2023 – 12/2023

- Developed a robust key-value store using LSM trees for efficient storage and retrieval, implemented Bloom filters for fast data access.
- Designed and implemented a simple HTTP API with integrated ordered map structure for key management, ensuring data consistency and reliable operations.

EDUCATION

Mohammed VI Polytechnic University || Ben Guerir 09/2021 – Now

Engineering Degree in Computer Science

Relevant Coursework: Data Structures and Algorithms, Networking and Communication, Databases Internals, Operating Systems, AI (LLMs, Computer Vision...), Software Engineering and System Design, Cryptography, Embedded Systems, Graph Theory.

FELLOWSHIPS & AWARDS

- Bouygues's AI Builders Challenge Hackathon, [First Place](#) (November 2024) – Won by integrating innovative Transformer models to optimize energy consumption for asphalt drying.
- National AMPC Programming Competition: [Silver medal](#), Meknes (March 2024).
- Mohammed VI Polytechnic University: Fully funded scholarship for excellence (August 2021).
- Pan-African Mathematical Olympiad (PAMO): Silver medal (June 2021).
- Asia Pacific Mathematical Olympiad (APMO): Moroccan competitor, [ranked 10th](#) (April 2021).