



ALOUANI HATIM

AI and Software Engineering student at 1337 Coding School | 42 Network, passionate about building scalable systems and intelligent solutions, with a strong focus on Machine Learning, Deep Learning, NLP, and Big Data, complemented by hands-on web development knowledge.

EDUCATION

- Common Core - 1337 Coding School Khouribga (2023–Present)
 - Software Engineering student with focus on system programming, algorithms, and full-stack development.
- Licence d'Excellence en Systèmes d'Information et Intelligence Artificielle - FP Khouribga (2024–2025)
 - Specialization: Computer Science, Artificial Intelligence, Big Data, and Advanced Data Analytics.
- Diplôme d'Etudes Universitaires Scientifiques et Techniques (DEUST) - FST Beni Melall (2021–2024)
 - Major in Mathematics, Computer Science & Physics.
- Baccalauréat en Sciences Physiques - Allal Ben Abdellah Nouaceur (2020–2021)

TECHNICAL SKILLS

- Programming & Scripting : C, C++, Python, Shell Scripting, JavaScript/TypeScript
- Web Development: WordPress, React, HTML/CSS, Nginx
- DevOps : Git, Docker, Grafana, Prometheus
- Big Data : Spark, Hadoop, Kafka, PowerBi
- Databases: MySQL, PostgreSQL, MariaDB, SQLite, Cassandra
- Machine Learning : Scikit-learn, Pandas, Matplotlib
- Deep Learning : TensorFlow
- NLP : SpaCy, NLTK

CERTIFICATES

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate (2025)
- Rosetta Stone English Certificate - B2 (2025)

EDUCATIONAL PROJECTS

- **Product Recommendation Engine:** Created a recommendation system similar to Amazon, combining TensorFlow, PostgreSQL, and web scraping, fully containerized with Docker.
- **Courses Recommendation System:** Implemented a personalized course recommendation system using Big Data tools, Hadoop, PySpark with the ALS algorithm, Cassandra, and Python for large-scale data processing.
- **Inception:** Designed and deployed a secure and scalable web infrastructure with Docker, using NGINX as the web server, WordPress for content management, and MariaDB as the database.
- **Internet Relay Chat System:** Developed a real-time C++ chat application supporting multiple users, channels, and message broadcasting.
- **Minishell:** Built a Unix-like shell in C for process management and command execution.

ADDITIONAL INFORMATION

- **Languages:** Arabic (native), English (fluent), French (fluent)
- **Age :** 21
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- **Adresse :** NOUACEUR CASABLANCA MOROCCO
- **Github :** [@hatim-alouani](#)

Portfolio

