

EDUCATION

• <b>Faculty of Science and Technology, Claude Bernard University Lyon 1</b> <i>Master's Degree (M2) in Artificial Intelligence</i>	Lyon, France Sept 2024 – Aug 2025
• <b>National School of Arts and Crafts, Mohammed V University</b> <i>State Engineer's Degree in Data Science and Artificial Intelligence</i>	Rabat, Morocco Sept 2021 – July 2024
• <b>École Normale Supérieure, Cadi Ayyad University</b> <i>University Diploma of Technology in Computer Engineering</i>	Marrakech, Morocco Sept 2019 – June 2021
• <b>Lycée Qualifiant Le Maghreb Arab</b> <i>High School Diploma in Physical Sciences, French Option</i>	Marrakech, Morocco Sept 2016 – July 2019

EXPERIENCE

• <b>Atos</b> <i>AI Intern</i>	Lyon, France 02 Feb 2025 – 01 Aug 2025
◦ Designed a unified machine learning model for thoracic medical image analysis, integrating classification, segmentation, and diagnosis tasks related to pulmonary diseases.	
◦ <b>Tools:</b> Python, Pytorch, Albumentations, OpenCV, Numpy, scikit-learn, Pandas	
• <b>MG2 Engineering</b> <i>AI Intern</i>	Casablanca, Morocco 06 Feb 2024 – 11 June 2024
◦ Data cleaning and preprocessing pipeline.	
◦ Built a content-based recommendation system.	
◦ Implemented a collaborative filtering recommendation approach.	
◦ Integrated both techniques into a weighted hybrid recommendation system optimized for training suggestions.	
◦ Proposed the integration of a Retrieval-Augmented Generation (RAG) model using LLama2 to handle managers prompts.	
◦ <b>Tools:</b> Python, FastAPI, Surprise, Numpy Pandas, scikit-learn, Ollama, LangChain	
• <b>3D Smart Factory</b> <i>AI Intern</i>	Mohammedia (Remote), Morocco 01 July 2023 – 01 Sept 2023
◦ Applied data augmentation techniques to enrich 3D dental dataset.	
◦ Trained the MeshSegNet model for 3D segmentation of dental arch objects.	
◦ Deployed the model into an interactive web-based application.	
◦ <b>Tools:</b> Python, JavaScript, PyTorch, OpenCV, Albumentations, Numpy, Pandas, VTK.js, FastAPI, Axios, scikit-learn, Pygco, React.js	
• <b>Menara Prefa</b> <i>Software Engineer Intern</i>	Marrakech, Morocco 01 Aug 2022 – 31 Aug 2022
◦ Designed and developed a web application for client delivery order tracking	
◦ <b>Tools:</b> JavaScript, Node.js, JWT, HTML/CSS, Bootstrap, MySQL	
• <b>Sotrasouss</b> <i>Software Engineer Intern</i>	Marrakech, Morocco 01 Apr 2021 – 28 May 2021
◦ Design a platform for the digitization of the company's laboratory documents.	
◦ <b>Tools:</b> PHP, HTML/CSS, MySQL	

SKILLS

• <b>Languages:</b> Python, JavaScript, PHP, HTML/CSS, LaTeX
• <b>Frameworks and Libraries:</b> FastAPI, Node.js, Axios, Django, Vue.js, scikit-learn, PyTorch, Optuna, LangChain, Ollama, Numpy, Pandas, Seaborn, Matplotlib, OpenCV, Albumentations
• <b>Database Management:</b> MySQL
• <b>Version Control and Collaboration:</b> Git, GitHub, Jira
• <b>Operating Systems:</b> Linux

COMPETITIONS AND CHALLENGES

• <b>picoCTF</b> <i>Participant</i>	2022 – present
◦ Player on picoCTF, participating in cybersecurity and Capture The Flag (CTF) challenges.	
• <b>UN Big Data Hackathon</b> <i>Participant</i>	Remote Nov 2022
◦ Prediction of the Earth's average temperature using the LSTM model and visualization of results with Power BI.	

LANGUAGES

• <b>Arabic:</b> Native Language	<b>English:</b> C2 EFSET	<b>French:</b> B2 TCF
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