

SKIKRI Hassane



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Computer Science student at **École Nationale des Sciences Appliquées de Fès** with a deep passion for data science and machine learning. I excel at transforming complex data into actionable insights, driving impactful solutions and continuous improvement. Seeking opportunities to apply and enhance my skills in AI, machine learning, and data analysis.

EDUCATION

École Nationale des Sciences Appliquées de Fès

Engineer's degree, Computer Science

Fes, Morocco

October 2021 - October 2026 (expected)

Lycée Lalla Salma

Baccalaureate, Mathematics Sciences A

Rissani, Morocco

September 2019 - July 2021

TECHNICAL SKILLS

Data Science: Data Cleaning, Data Preprocessing, Data Visualization, Feature Engineering, Pandas, Matplotlib, NumPy, Seaborn, Statistics, Probability

Machine Learning: MLOps, Scikit-learn, Gradient Boosting, Hyperparameter Tuning, Model Evaluation

Deep Learning: CNN, TensorFlow, Keras, Neural Networks, Model Training

Computer Vision: Object Detection, OpenCV, CVZone, Pillow, Image Processing

Programming Languages: Python, SQL (PL/SQL, Oracle), C/C++, Java, C#

Data Analysis: Tableau, Microsoft Excel, Data Interpretation, Statistical Analysis

Web Development: HTML/CSS/JavaScript, React.js, Streamlit, Flask

Deployment: Heroku, AWS (EC2), Docker, Microsoft Azure, Cloud Infrastructure

PROFESSIONAL EXPERIENCE

Summer Research Intern

École Nationale des Sciences Appliquées de Fès, Morocco

June 2024 - August 2024

- Developing an **AI platform** for quick and accurate diagnosis of major diseases using medical images.
- Implementing advanced **deep learning** and **ensemble learning** techniques to analyze medical imagery with high accuracy.
- Designing a user-friendly interface allowing users to upload medical images and receive diagnoses within minutes.
- Collaborating with medical professionals to ensure diagnostic accuracy and practical application of the system.

PERSONAL PROJECTS

Custom ChatBot with PyTorch and Azure OpenAI

[view source code](#)

- Designed and implemented a conversational AI chatbot using PyTorch and Azure OpenAI API, featuring natural language understanding capabilities and contextual responses.

Portfolio Website with AI Chatbot

[view source code](#)

- Developed a responsive portfolio website with an integrated AI chatbot assistant that guides visitors through projects and provides interactive information about my skills and experience.

Diabetes Detection (End-to-End)

[view source code](#)

- Created an end-to-end machine learning solution for diabetes detection from data preprocessing to model deployment, achieving high accuracy in early disease prediction.

Face Recognition with Real-Time Database

[view source code](#)

- Built a sophisticated face recognition system using deep learning techniques integrated with a real-time database for dynamic updates and recognition capabilities.

Automatic Number Plate Recognition with YOLOv8 and EasyOCR

[view source code](#)

- Developed a vehicle license plate detection and recognition system combining YOLOv8 for object detection and EasyOCR for text recognition with high accuracy.

CERTIFICATIONS

- Professional Certification in Data Science: Machine Learning (Codecademy) [view certificate](#)
- Comprehensive certification covering SQL, Python, scikit-learn, and neural networks with hands-on experience in data cleaning, visualization, hypothesis testing, and machine learning projects.
- Supervised Machine Learning: Regression and Classification (DeepLearning.AI & Stanford) [view certificate](#)
- Advanced course focused on building and optimizing regression and classification models, providing practical experience in solving real-world problems with machine learning techniques.

PUBLICATIONS

- **Master Feature Selection Part 2: Wrapper Methods** (2024) - Published on Medium
- Detailed analysis of four greedy wrapper methods implemented in Python:
 - Sequential forward selection adds one feature at a time
 - Sequential backward selection removes one feature at a time
 - Sequential forward floating selection adds and occasionally removes features
 - Sequential backward floating selection removes and occasionally adds features

LANGUAGE SKILLS

- **Arabic:** Native language
- **English:** B2 (Listening, Reading), B1 (Writing, Speaking)
- **French:** B2 (Listening, Reading), B1 (Writing, Speaking)

INTERESTS

- Data Science & Machine Learning Research
- Computer Vision Applications
- Open Source Contribution
- Technical Writing