



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 for a **data science** or **machine learning position** to apply and enhance my skills in AI, data analysis, and predictive modeling.

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