LAKHYARI AISSAM

ENGINEERING STUDENT|DIGITAL TRANSFORMATION & ARTIFICIAL INTELLIGENCE

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SUMMARY

Passionate IT engineering student at ENSAH, specializing in Digital Transformation and Artificial Intelligence. Skilled in machine learning, deep learning, kali linux , cloud computing, and software development, with hands-on experience in AI, reinforcement learning, and web development.

As the designer of the Data and AI club “DatAi” , I create visual content that defines the club's identity, including logos, banners, and promotional materials

Professional Internship – Maghreb Steel (2025) : Worked on predicting the drop rate in the Steckel Mill by analyzing industrial production data and developing machine learning models to anticipate product losses, with the goal of improving production efficiency and reducing waste.

SKILLS

PROFESSIONAL

- problem-solving
- Design
- Creativity
- Project Management
- Scientific curiosity

TECHNICAL

- **Programming:** Python, Java **Machine**
- **Learning:** Scikit-learn, TensorFlow, Keras, PyTorch
- **Deep Learning:** CNNs, RNNs, Transformers
- **Computer Vision:** OpenCV **Data Science:** NumPy, pandas, Matplotlib, Seaborn
- **DevOps:** Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD, Linux (Ubuntu), Nginx

EDUCATION

NATIONAL SCHOOL OF APPLIED SCIENCES, AL HOCEIMA

Digital Transformation & Artificial Intelligence (last year)

2023 - Present

NATIONAL SCHOOL OF APPLIED SCIENCES, AL HOCEIMA

Preparatory Cycle

2021 - 2023

PROJECTS

REINFORCEMENT LEARNING

3D Rubik's Cube Solver | 2024

- Developed a 3D Rubik's Cube (3×3×3) solver using Q-learning.
- Built the 3D cube model with RaylibPy for visualization.
- Implemented reinforcement learning techniques to train the model to solve the cube efficiently.

OPENSTACK

Deployment & Optimization | 2024

- configured an OpenStack cloud computing platform.
- Optimized resource management and automation for efficient cloud operations.
- Gained hands-on experience with virtualization, networking, and storage in OpenStack.

Deep Learning

Facial Emotion Recognition | 2025

- Designed a deep learning model to recognize human emotions from images and real-time video.
- Trained models using FER2013 and AffectNet datasets with CNN architectures.
- Implemented both static image and real-time webcam detection modes.
- Improved accuracy through data augmentation .

INTEREST

Passionate about solving complex twisty puzzles (Rubik’s Cube, Megaminx, Pyraminx), demonstrating strong analytical and algorithmic thinking.