

TAYYARAT Oumaima

DIGITAL AND INNOVATION ENGINEER

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Profile

My course of study at the National Higher School of Arts and Crafts began in 2017. Once my preparatory cycle was completed, I decided to move towards artificial intelligence and data science. The skills targeted by this sector are transversal skills, which constitutes a specificity in relation to the experiences anchored in the articulation of two disciplines: artificial intelligence and development web ment. Moreover, today, as a Digital and Innovation Engineer, I manage to transform the capabilities of AI in terms of software. So, are you looking for intelligent IT solutions? My creativity and patience towards coding is ready to be put to use tough test.

Experiences

SIANA: Moroccan Society of High Speed Trains

Tangier, Morocco

Digital and Innovation Engineer

Jul 2023 – Today

- **Mission:** Development and implementation of process automation solutions, making it possible to improve the operational efficiency of the business by reducing human errors and speeding up processing times.
- Creation of digital intranet platforms based on advanced technologies, allowing better internal communication and smoother collaboration between teams.
- Design and development of management dashboards, for decision-making, integrating analyzes and key indicators of real-time performance.
- Leadership of initiatives to digitalize administrative processes linked to human resources, by training the team on new technologies and guiding the choice of solutions to be implemented.
- CMMS (Computer Aided Maintenance Management) project manager, responsible for the management and supervision of all activities related to software development and user interface.
- **Technical Skills:** Programming (Python, Java, C), Web development (HTML, CSS, JavaScript), SQL, Development frameworks ment (Django, Flask, React, Three, Electron), User Experience (UX), Docker, Blender.
- **Personal Skills:** Teamwork, Project Management, Communication, Presentation Skills, Agility.

SIANA: Moroccan Society of High Speed Trains

Tangier, Morocco

Intern In Programmation

Feb 2023 – Jul 2023

- **Mission:** Development of an application for developing Weekly Production Planning.
- Automation of updating an action plan file for monitoring and bringing high-speed trains into compliance.
- creation of an online virtual tour, implementing web technologies to offer an experience immersive to customers and partners.

COFICAB Group

Kenitra, Morocco

Intern in Computer Science and Information Technologies

Jul 2022 – Sept 2022

- **Mission:** Creation of a graphical interface visualizing in real time the filling and emptying of a tank.
- MQTT protocol for retrieving sensor data from a connection to a central server.
- Automation of the filling and emptying system by implementing python code in an Arduino card.

Education

ENSAM - Meknes

Meknes, Morocco

Industrial Engineering – AI

Data Science

Feb 2021 – Jul 2023

- **Courses:** Data Science, Statistics, Artificial Intelligence, Machine Learning, Deep Learning, Reinforcement Learning ment, Natural Language Processing, Occupational Health and Safety (ISO 45000), Environmental Management (ISO 14001), Quality Management (ISO 9001), Project Management, Lean Six Sigma, Lean Manufacturing, Risk Management, Industry 4.0, Enÿtrepreneurship, Strategic Management, HRM and Business Law, Big Data (Hadoop, MapReduce, PySpark, etc.).

ENSAM - Meknes

Meknes, Morocco

Undergraduate Studies

Sept 2020 – Jan 2021

- **Courses:** Resistance of materials, Metallurgy, Thermal Machines, Industrial IT (GRAFCET, LADDER), Production management, Scheduling and stock management, Balancing of production lines, Statistical process control, Management control, Pumps centrifugals, Hydraulic Turbines: (Pelton, Francis, Kaplan), Turbomachines, Maintenance and Reliability.

Academic Projects

Smart Trash Bin using Artificial Intelligence and Arduino

Meknes, Morocco

ENSAM - Meknes

Oct 2022 – Jan 2023

Worker Health and Safety using computer vision

ENSAM - Meknes

Meknes, Morocco

Oct 2022 – Jan 2023

Developing a Resume Parser Using Entity Recognition

ENSAM - Meknes

Meknes, Morocco

Feb 2022 – June 2022

Detection of fraudulent transactions in bank cards using the convolutional neural networks

ENSAM - Meknes

Meknes, Morocco

Feb 2022 – June 2022

Driver fatigue and non-vigilance detection – ADAS system

ENSAM - Meknes

Meknes, Morocco

Oct 2021 – Jan 2022

Certifications

2023 **Learning Gitlab**, LinkedIn Learning

Online

2022 **AZ-900 MS Fundamentals**, Microsoft

Online

2022 **Scrum Foundation Professional Certificate**, CertiProf

Online

2021 **Lean Six Sigma White Belt**, C.S.S.C

Online

LANGUAGES

English Professional

Arabe Native

Frensh Fluent