

Soufiane DAHIMI

Industrial Engineering Student | Aspiring Data Scientist

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EXPERIENCE

ÁGUAS DE PORTUGAL | DATA SCIENCE INTERN

June 2023 – September 2023 | Lisbon, Portugal

- With 2 other interns, cleaned internal data to build a solid database.
- Built interactive Power BI report for our manager and other executives, for the company's new waste water project.
- Built an end-to-end web app connected to Power BI, to manage the company's requests.

APM TERMINALS | PREDICTIVE MAINTENANCE INTERN

March 2023 – March 2023 | Tangier, Morocco

- Shadowed the team to gain valuable insights into reliability and maintenance.
- Conducted data cleaning, exploratory data analysis, and feature engineering on 166 IoT signals with 500K rows of data coming from the trolley motor.
- Built a deep learning anomaly detection model based on LSTM to detect anomalous behaviors in the asset.

CITIC DICASTAL | PROCESS ENGINEERING INTERN

August 2022 – September 2022 | Kenitra, Morocco

- Observed manufacturing process from melting, casting, heat treatment, machining to painting and packaging.
- Conducted risk assessment and Process FMEA to the heat treatment process.
- Proposed a set of actions to mitigate the potential failure modes and decrease the loss to the factory in terms of money time and quality.

PROJECTS AND ACHIEVEMENTS

POWERCO CUSTOMER CHURN ANALYSIS | BUSINESS UNDERSTANDING,

HYPOTHESIS FRAMING, DATA ANALYSIS, MODELLING

- Understanding the business context and Hypothesis Framing.
- Conducted Exploratory Data Analysis.
- Uncovered signals within the data, and predicted churn probability using Machine Learning.

SALES FORECASTING FOR INVENTORY OPTIMIZATION | DATA VISUALIZATION,

FORECASTING MODELS, TIME SERIES ANALYSIS

- Loaded, preprocessed, and visualized sales data.
- Conducted seasonal, ACF, PACF analysis, and feature engineering.
- Built SARIMAX and Prophet models, achieving a 23.63% MAPE for accurate sales predictions.

EDUCATION

MOHAMMED VI POLYTECHNIC UNIVERSITY

EMINES- School of Industrial Management

Sep 2019 - 2024 | Ben Guerir, Morocco

Relevant Coursework: Optimization, Industrial Thermodynamics, Robotics, Economics, Linear Algebra, Calculus, Chemistry, Machine Learning, Databases, Physics, Programming

SKILLS

PROGRAMMING/TOOLS

SQL • Python • Java
JavaScript • CSS&HTML • Django

DATA SCIENCE

Power BI • Tableau • Machine Learning
Data Cleaning • Excel • Statistics

INDUSTRIAL ENGINEERING

Operations Research • Lean Sigma
CAD • Process Engineering
Risk Analysis • Automation

SOFT SKILLS

Adaptability • Teamwork
Problem Solving • Communication

LANGUAGES

- English
- French
- Chinese (HSK1)
- Arabic