EYA EL OUERTANI

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EDUCATION

Grenoble INP-Industrial Engineering　　　　　　　　　　　　　　　**Sep. 2024 – Present**
M2 GID-dual degree program　　　　　　　　　　　　　　　　　　　　*Grenoble*

National Engineering School of Tunis　　　　　　　　　　　　　　　**Sep. 2022 – Present**
third year Industrial Engineering Student　　　　　　　　　　　　　　*El Manar*

El Manar Preparatory Engineering Institute　　　　　　　　　　　**Sep. 2020 – Jun 2022**
Two-year undergraduate program in Mathematics and Physics　　　　　　*El Manar*

RELEVANT COURSEWORK

- Data Mining
- Discrete Optimization
- Stochastic process
- Matrix and Numerical Analysis
- Machine Learning
- Operations research
- Dynamic Programming
- Supply Chain

EXPERIENCE

BAKO Motors　　　　　　　　　　　　　　　　　　　　　　　　**Jul 2024 – Aug 2024**
Supply Chain Intern　　　　　　　　　　　　　　　　　　　　　　*Fouchana,Ben arous*

- Analyzed and optimized assembly processes for the BEE solar electric car model to improve efficiency.
- Conducted time studies for various assembly stages to identify bottlenecks and streamline operations.
- Designed and proposed workstation layouts with four stations, ensuring compliance with a maximum execution time of six hours per vehicle.

SOTUCHOC | SAÏDA Group　　　　　　　　　　　　　　　　　　**Jun 2023 – Jul 2023**
Supply Chain and quality control Intern　　　　　　　　　　　　　　*Megrine,Ben arous*

- Discovered the manufacturing process of chocolate from raw materials to finished product.
- Observed practical skills in manufacturing, quality control, and stock management.
- Developed communication skills as part of a dynamic team.

PROJECTS

The use of Natural Language Processing (NLP) in analyzing the sensitivity of the health sector during extreme weather events through social network publications　　**Nov 2023 – Apr 2024**

- Analyzed patients' tweets during extreme weather events to study their behavior and changes of opinion regarding access to healthcare services.
- Developed new alternatives to significantly improve access to healthcare services, with a focus on digital health.

Internet of things for healthcare | *1st year Final Project* | *Bibliographic Project*　　**Nov 2022 – Apr 2023**

- Discussed the definition of IoT and The IoMT(internet of medical things), compared both, and provided insights on how to implement IoT in healthcare.
- Focused on various devices, applications, and use cases of IoMT, highlighting some of the brightest examples in the industry.
- Examined the benefits and challenges of IoMT and explored future prospects for this emerging technology.

Python Mini Project | *Student Project* | *Python* | *Tkinter*　　　　　　　　　**March 2023**

- Developed an interface for stock management in a shop using Python and Tkinter package.

Operations Research Practice : "Modeling and Solving PL" | *Student Project* | *Python* | *PuLP*　　**March 2023**

- Engaged in a challenge dedicated to the layout optimization of a packaging workshop, aimed at reducing truck loading times and enhancing operational efficiency through mathematical modeling and solution implementation using Python and PuLP.

TECHNICAL SKILLS AND LANGUAGES

Technical Skills: Python, R , SQL
Languages: Native Arabic, English fluency, French fluency, basic German

EXTRACURRICULAR AND COMMUNITY INVOLVEMENT

Industrial Engineering Department Club   **Sep 2022 – Apr 2024**
Senior member   *ENIT*

- Participated in numerous training sessions, workshops, and event organization initiatives.

- Demonstrated problem-solving skills and innovation by being part of the team that secured 3rd place in the TIES v 3.0 competition.

MULCHAIR   **Apr 2023 – Sep 2023**
Production department member   *ENIT*

- Pitched Mulchair's presentation while participating in the local competition for the best young company organized by INJAZ Tunisia and ENIT, highlighting the innovative and eco-friendly aspects of our biodegradable mulch product.