MARIEM REBAANI

@ mariem.rebaani@esprit.tn   in mariem-rabaani-7135a0211   📍 Mahdia, Tunisia

SKILLS

Programming

`Python` `SQL`

Competency

`Machine Learning algorithms`

`Deep Learning techniques`

`Statistical background`

LANGUAGES

English: Intermediate

French: Intermediate

Arabic: Native

CERTIFICATES

DeepLearning with PyTorch: Image Segmentation

Applications of AI for Predictive

Fundamentals of Deep Learning

Building Transformer-Based Natural Language Processing Applications

Support Vector Machines in Python

COMMUNITY LIFE

North American Tunisian Engineers Group (NATEG) Event Manager

📅 2021 – 2022

MASSAI Summer School Participant

📅 2021 – 2022

CAREER OBJECTIVE

I am a second-year computer engineering student with a strong background in data science and mathematics. I am dedicated and committed to learning, and I am currently seeking an internship opportunity where I can apply my knowledge and skills in a professional setting.

EDUCATION

ESPRIT

📅 2021 – Ongoing

- National Diploma in Engineering-Data science

Pre-Engineering School of Monastir

📅 2019 – 2021

- Preparatory class in mathematics and physics

EXPERIENCE

Summer Internship | LEONI   📅 07-2022 – 09-2022

- Implemented a content-based recommendation system for Leoni company, allowing them to measure the similarity between cables and recommend the best one

ACADEMIC PROJECTS

Molecule Design for Drug Discovery

📅 Jan-June2023

- Utilized automated iteration to streamline the molecule design process, enabling generation of novel and valid molecules while ensuring adherence to desired properties. Improved efficiency and productivity by eliminating traditional, inefficient manual methods.

Yoga Posa Classification using CNN

📅 Mar-Apr 2022

- Processed and augmented the image dataset. Developed a high-accuracy classification model through the implementation of CNN and use transfer learning to achieve high accuracy.

Early Discovery of Kidney Disease

📅 Nov-Dec 2022 Esprit

- Utilized the CFS method to preprocess data and developed a machine-learning model for accurate prediction of CKD. Employed K-Fold Cross-Validation with various algorithms to achieve optimal performance, with evaluation based on accuracy and F1 score

Raisin Classification

📅 Nov-Dec 2022

- developed a statistical model utilizing Linear Regression in R to classify raisins, evaluating its performance using R-squared and RMSE metrics