Ichrak Hamdi

Fourth-year computer science engineering student

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Soft Skills

- Problem-solving and Critical Thinking
- Teamwork and Collaboration
- Strong Analytical Skills
- Excellent Communication Skills

Technical Skills

- Programming Languages: Python, Java, R, C#, C
- Web Development and Frameworks: SpringBoot, .NET, HTML/CSS, JavaScript
- Databases: SQL, MySQL, Oracle, PL/SQL
- Machine Learning
- NLP
- Deep Learning
- Big Data: Hadoop, Spark
- IDEs: IntelliJ, Visual Studio, NetBeans, Eclipse
- GitHub
- Agile Methodologies

Languages

English

French

Arabic

Scale: 0 (basic skills) - 6 (expert).

About me

A highly passionate, creative, and eager-to-learn individual. My objective is to continue honing my skills in a professional environment and collaborate with like-minded professionals to create innovative solutions to complex problems. I am excited about the possibilities that data science can bring to businesses.

Education

2021-2024 Engineering studies — ESPRIT - The Private Higher School of Engineering and Technology
Majoring in Computer Science with a specialization in DATA SCIENCE

2018-2021 Pre-engineering studies
Admission to the national entrance exam for engineering schools

2014-2018 High school
Specializing in Experimental Sciences

Experiences

05/2023 Career Center Platform — ESPRIT
The development of a platform for the Employability Department, designed to help ESPRIT students find job opportunities by providing profiling, predictive modeling, data visualizations, and a recommendation system.
Technologies used: Python, MongoDB, OCR, NLP, Machine Learning, PowerBI, Visualization, IBM master plan, Web scrapping

04/2023 Yoga Class Analysis using Human pose estimation — ESPRIT
The project involves developing a robust image classification model for the yoga pose recognition problem. The objective is to create a system that can accurately analyze and categorize images depicting individuals performing various yoga poses.
Technologies used : Deep Learning, CNN, Computer Vision, TensorFlow

03/2023 Wind Power Generation Forecasting in Germany — ESPRIT
The goal of the project is to develop a precise and reliable forecasting model for the power generated by wind turbines in Germany.
Technologies used : R, Time Series, ARIMA model

01/2023 Classification of Turkish grape varieties using AI — ESPRIT
Analysis and interpretation of data using a wide range of statistical techniques and tools.
Technologies used : R, Rstudio, Data Preperation, Statistics

09/2022 Diagnosis and predictions of CKD — ESPRIT
We used the Chronic Kidney Disease dataset from UCI to create Jupyter notebook following a structured approach to data mining that includes: Business Understanding, Data Understanding, Data Preparation, Modeling, Evaluation, and Deployment.
Technologies used: Python, Classification, Predective analysis, PCA, SVM, AdaBoost, XGBoost, CRISP-DM

06/2022 Web Development Intern — TIS Circuits
The project entails the development of a dedicated web application for the TIS circuit team, enabling automated saving of electronic cards obtained from the barcode scanner.
Technologies used: Visual studio, .NET/C#, MySQL Server