



**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	