

Youssef Tfifha

Computer Science
Engineering student

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🧠 Skills

Data Science (Machine Learning, Deep learning, Data Mining, IA, Time Series, Tensorflow, Keras, Sklearn, Anaconda, Data wrangling, Data visualization)

Business Intelligence (Data Warehousing, ETL, SSIS, Talend, SSAS, SSRS, PowerBi)

BigData (Cloudera, Hadoop, HDFS, Hive, MapReduce, Kibana, ElasticSearch, Kafka, Spark)

DevOps (Jenkins, Sonar, Nexus, Docker, Graphana, Prometheus)

Database Administration (PostgreSQL, Oracle, MySQL, MSSQL, MongoDB)

Framworks (Flask, .NET, Spring, Angular)

Programming (Python, R, SQL, Java, PHP, C/C++)

Methodologies (Agile, Scrum, CRISP-DM)

🌐 Languages

Arabic (Native) • **English** (B2)

French (B2)

📄 Certificates

- Applications of AI for Predictive Maintenance ✓
- Building Transformer-Based Natural Language Processing Applications ✓
- NVIDIA DLI Certificate – Applications of AI for Anomaly Detection ✓

🎓 Education

Computer Science Engineering

ESPRIT school of engineering ✓

Sep 2018 – present | Tunisia

Majoring in Data Science and Business Intelligence

💼 Professional Experience

Part Time Deep Learning Instructor

GoMyCode

Oct 2022 – present

Data Scientist Intern

ESPRIT-TECH

Jun 2022 – Sep 2022

- Performed the exploratory data analysis of weather data from 1971 to 2022 of 44 observation points.
- Employed LSTM based on a CUDA Deep Neural Network as well as a GPU accelerated XGBoost model for forecasting groundwater levels
- Simulated the impact of climate change on water resources up to 2100.

Technologies and tools: Python, EDA, Machine Learning, cuDNN, Deep Learning, Time Series, Tensorflow, Keras, Sklearn, XGBoost, LSTM.

Fullstack Developer Intern

3S2I

Jun 2021 – Aug 2021

- Participated in all phases of the development cycle, including design, testing, and implementation.
- Engineered a back-end using REST APIs and MySQL database.
- Designed a responsive website layout, application and functions layouts.

Technologies and tools: Figma, SQL, MySQL, Java, SpringBoot, AngularJS, Flutter.

📁 Academic projects

Data Scientist

Formula 1 Decision support System

Jan 2022 – Jun 2022

- Oversaw the collection of data and the extraction of key performance indicators.
- Employed machine learning to predict the performance of pilot as well as the outcome of a race.
- Turn the models into scalable production APIs.
- Delivered a formula 1 decision support system dedicated to business stakeholders wishing to invest in a team.

Technologies and tools: PostgreSQL, ETL, Talend, Python, Machine Learning, Sklearn, Pandas, Numpy, Matplotlib, Seaborn, descriptive, explanatory, and predictive modeling, PowerBi, Flask.