CHIHAB MEZRIGUI

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I am currently a 2nd year master's student in Big Data & Artificial Intelligence.

EDUCATION

Master Big data & AI
IPSSI Paris 2023-2025

Bachelor degree in Computer Science
Carthage University of Tunis 2020 -2023

PROFESSIONAL EXPERIENCE

Data Software Engineering Intern • RDIUP
November 2023 - Present

- **Client-Side Technologies:** JavaScript with React.js Library .
- **CSS Libraries:** Antd and React Material-UI .
- **Server-Side Technologies:** Python with Django framework .
- **Database : SQL SQLite .**
- **Data Technologies:** ETL processes from CSV files, including data processing and pre-processing .
  Pandas, Matplotlib, NumPy,Seaborn, Jupyter environment .
- **Functions:**
  1. Implemented real-time data display features to provide users with up-to-date information .
  2. Integrated Electricity Maps for real-time carbon intensity data display and Mapbox API for map rendering.
  3. Processed and pre-processed data using ETL pipelines from CSV files .
  4. Visualized data on graphical interfaces using Pandas, Matplotlib, NumPy, and other libraries in a Jupyter environment .
  5. Conducted data analysis and visualizations using Seaborn ..
  6. Managed version control and continuous integration with Git GitLab CI .

Fullstack developer Intern (PFE) • RDIUP
April 2023 - August 2023

- **Client-Side Technologies:** JavaScript with React native framework
- **Server-Side Technologies:** Python with Django framework
- **Database :** NoSQL MongoDB .
- **Functions:**
  1. Participated in mobile application development .
  2. Integrated various APIs, including Map API and Mapbox API, for enhanced functionality .
  3. Developed and maintained RESTful APIs with Django for communication between the frontend and backend .
  4. Managed version control and continuous integration with Git and GitLab CI .

Fullstack developer Intern • National computer center of Tunis . March 2022 - Mai 2022

- **Client-Side Technologies:** Typescript with Angular framework
- **Server-Side Technologies:** Java with Spring boot
- **Database :** PostgreSQL .
- **Functions:**
  1. Developed and maintained RESTful APIs with Spring Boot for the backend .
  2. Utilized Swagger for API documentation and testing
  3. Conducted unit and integration testing to ensure high-quality .
  4. Managed version control and continuous integration with Git and Github.

PERSONAL PROJECTS

Exploratory Data Analysis (EDA): Credit simulation

- The analysis is focused on exploring data related to credit simulation .
- Jupyter Notebook for this project & dataframe csv from kaggle | Pandas for DataFrame manipulation | Matplotlib for basic plotting | Seaborn for data visualization techniques | Pickle for model serialization to facilitate deployment | Flask was utilized for the graphical user interface (GUI).

SKILLS

- **Frontend :**
  JavaScript -React Js - React MUI
  React native -Typescript - Angular

- **Test tools :** Swagger - Postman
- **Source code management tool :** GIT : GITHUB - GTILAB
- **Cloud Environment : GCP(Google cloud platform)**

- **Backend :**
  Python - Django
  Java - Spring boot

- **Technical Environnement DATA :**
  Excel ,Python , Flask , Bigquery , Power BI, Gitlab CI/CD , Pandas ,Matplotlib,Seaborn, TensorFlow Scikit-learn , Numpy ...

- **Database :**
  NoSQL Database : MongoDB-Cassandra
  SQL Database : SQLLite - Postgresql - Maria DB

LANGUAGES

- **French- English - German**

DRIVER'S LICENSE

- **Category B**