



Mohamed Dhia Betis

Data Science Student

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🐙 GitHub Profile

🌐 LinkedIn Profile

📍 Ariana, Tunisia

EDUCATION

- **Higher School of Statistics and Data Analysis** Sep 2023 - Present
Engineering degree in Statistics and Information Analysis
- **Preparatory Institute for Engineering Studies of Nabeul** Sep 2021 - Jun 2023
Preparatory cycle MP (math-physics)
- **Abou Kacem Chebbi Secondary School of Medjez El Beb** Sep 2020 - Jun 2021
Baccalaureate in mathematics with honors

PERSONAL PROJECTS

- **Resume Screening Platform**
 - Developed an automated resume screening platform using Django framework, and machine learning techniques.
 - Implemented a user-friendly web interface for users to upload resumes and receive analysis results.
 - Employed natural language processing (NLP) techniques to extract text from resumes, categorize resumes, and identify key skills.
 - Integrated MongoDB for efficient data storage and retrieval.
 - Integrated Git version control for collaborative development and project management.
 - Implemented data visualization features to provide insights into uploaded resumes using libraries like Matplotlib and WordCloud.
 - Achieved efficient deployment and scalability using Django's built-in features and best practices in web development.
- **Survey Analysis & Classification on Substance Use**
 - Analyzed and collected data from a student behavior survey with participation from 50 individuals.
 - Utilized Principal Component Analysis (PCA), Factor Correspondence Analysis (FCA), Multiple Correspondence Analysis (MCA), and clustering techniques to uncover underlying patterns and relationships in the data.
 - Developed an interactive visualization dashboard in Power BI to present key insights and findings in a clear and informative manner.
- **Credit Card Fraud Detection Predictive Models**
 - Developed Credit Card Fraud Detection Predictive Models using Python programming language and various machine learning algorithms.
 - Analyzed highly imbalanced data and implemented techniques to address class imbalance.
 - Experimented with Random Forest, AdaBoost, CatBoost, XGBoost, and LightGBM algorithms to optimize model performance.

TECHNICAL SKILLS AND INTERESTS

Programming Languages : Python, R, C, C++

Data Science : Statistical Analysis, Data Cleaning and Preprocessing, Data Visualization, Predictive Modeling, Natural Language Processing (NLP)

Web development : HTML, CSS, Javascript, Django, Flutter

Databases: SQL, MongoDB

Soft Skills: Communication, Problem-solving, Adaptability, Teamwork, Analytical thinking

Languages: Arabic, English, French, Spanish

Areas of Interest: Machine Learning, Artificial Intelligence, Web Development

POSITIONS OF RESPONSIBILITY

- **Ambassador of DataQuest 2024**, ESSAI Machine Learning Club - IEEE INSAT 2024
- **Organization of Engineering Road v5**, TPL IPEIN 2022
- **Organization of Nuit Des Etoiles**, JCI Medjez el Beb 2015

CERTIFICATIONS

- Google Data Analytics Professional Certificate
- Meta Django Web Framework