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BILAL FATIAN

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GitHub | Portfolio | LinkedIn

PROFESSIONAL EXPERIENCE

- OCP group – Data Science Intern – Safi, Morocco** *April 2024 – July 2024*
- Developed predictive maintenance models for turbine systems to forecast potential failures and mitigate downtime.
 - Developed an interactive Power BI dashboard, synthesizing data sets from various entities, empowering streamlined decision-making processes throughout the organization.
- PayLik – Data Science Intern – Rabat, Morocco** *Jun 2023 – September 2023*
- Developed an OCR solution using image processing to extract key information from Moroccan ID cards, such as name, date of birth, and identification number.

EDUCATION

- Paris Cité university – Master in Machine Learning for Data Science – Paris, France** *2024 – 2026*
- Mohammed VI Polytechnic University – Bachelor's In Data Science – Benguerir, Morocco** *2021 – 2024*
- LM6E – High School Diploma – Benguerir, Morocco** *2018 – 2021*

PROJECTS

- Urban Sound Classification with CNN** *April 2024*
- Implemented feature evaluation and preprocessing techniques, including MFCC and Log-MEL Spectrograms, along with data augmentation to enhance model performance and generalization, achieving a test accuracy of 95.01%.
- Scraping jobs on LinkedIn & Indeed** *January 2024*
- Developed web scraping tool to extract job data from LinkedIn and Indeed.
 - Implemented recommendation algorithm to personalize job suggestions based on user preferences.
- Chicago Crime Data Analysis** *October 2023*
- Analyzed Chicago crime data, identifying prevalent crimes and peak crime year. Evaluated arrest success rates, offering insights into law enforcement efficacy.
 - Developed interactive Power BI dashboard for intuitive exploration of crime data.
- Emergency Message Classifier** *June 2023*
- Developed an ETL & ML system alongside a user-friendly web app to classify emergency messages into 36 categories, utilizing multilabel NLP techniques, achieved an accuracy of 95%.
- ReadWell** *April 2023*
- A web platform catering to book enthusiasts seeking seamless exploration and sharing of literary works. By facilitating easy account setup, intuitive book browsing, and interactive community engagement.

TECHNICAL SKILLS

- Programming Languages** Python, R, C, C++, Java, PHP, Javascript, Bash
- Data Science libraries** Pandas, Numpy, TensorFlow, Scikit-learn, Selenium, BeautifulSoup
- Data Visualization Tools/Libraries** Matplotlib, Seaborn, PowerBI
- DBMS** PostgreSQL, MySQL, SQLite, MongoDB
- Web Development** Laravel, Symfony, Django, Flask, Bootstrap

LANGUAGE SKILLS

- Arabic** : Langue maternelle
- French** : Professional proficiency (C1 in TCF)
- English** : Professional proficiency (6,5 / 9 in l'IELTS)