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# Fedi lahbib

## Data Scientist & Mlops Engineer

Portfolio: fedilahbib.io  
github.com/fedilahbib  
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### TECHNICAL EXPERIENCE

<b>Data Scientist &amp; Mlops Engineer</b> <i>Save Your Wardrobe</i>	<b>Jul 2022 — Present</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Build and deploy ETL pipelines for MongoDB &amp; S3 Using Apache Airflow and AWS EC2 .</li><li>• Build and deploy image background remover app using pytorch,ONNX,U2-Net,docker, AWS ECR ,AWS ECS , Bitbucket pipelines and FastAPI .</li><li>• Implement ETL pipelines for MongoDB using Databricks, AWS, AWS S3 and Apache spark .</li><li>• Create and publish dashboards from s3 bucket using AWS Glue, AWS Athena and Power bi.</li><li>• Optimise and Extend existing outfit recommendation app using flask,pytorch</li><li>• Implement CI/CD pipelines for the various data products to be productised using bitbucket pipeline .</li><li>• Create APIs and put the results of AI models into operations.</li></ul>	
<b>Data Science Intern</b> <i>Save Your Wardrobe</i>	<b>Jan 2022 — Jul 2022</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Development and deployment of an automatic product tagging system for clothing using TensorFlow , PyTorch ,Scikit-Learn, FastAPI , Flask , Docker , AWS ECR , AWS EC2</li></ul>	
<b>Data Science Intern</b> <i>Sentinel Data</i>	<b>Jul 2021 — Aug 2021</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Development of a model for categorization of pharmaceutical products by designation using using Tensorflow , LSTM , RNN and NLP.</li><li>• Implementation of hybrid sales forecast models for pharmaceutical laboratories using RNN,time series, statsmodels , sarimax and ANFIS.</li></ul>	
<b>Data Science Intern</b> <i>Dotcom</i>	<b>Jun 2021 — Sep 2021</b> <i>nabeul,Tunisia</i>
<ul style="list-style-type: none"><li>• Development and deployment of an automated system for collecting data on offers hotels in Tunisia using python 3, selenium, Flask, Beautiful Soup and PostgreSQL.</li></ul>	
<b>Data Science intern</b> <i>Comunik Crm</i>	<b>Jul 2020 — Sep 2020</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Design and implementation of a customizable messenger chatbot using python 3, tensorflow, flask, mysql, laravel 5.8.</li></ul>	
<b>Full Stack Developer Intern</b> <i>Just smart</i>	<b>Mar 2019 — May 2019</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Development of a web and mobile application for mutual aid between individuals using Laravel 5, Angular 7, Ionic 3, MySQL, Rest API, Angular material.</li></ul>	
<b>Information Technology Intern</b> <i>Kleos</i>	<b>Aug 2018 — Aug 2018</b> <i>tunis,Tunisia</i>
<ul style="list-style-type: none"><li>• Study and implementation of an administration and supervision solution using ZABBIX , VMware , fortinet switch and Centos .</li></ul>	

### EDUCATION

<b>National Diploma in Computer Engineering specialized in Data Science</b> , Private Higher School of Engineering and Technology,ESPRIT	2019 — 2022
<b>Bachelor of Computer Science</b> , Higher Institute of Computer Science and Mathematics of Monastir,ISIMM	2016 — 2019

### SKILLS

<b>Programming Languages</b>	Python, R , Java, C , JavaScript , Script shell
<b>Machine leaning and Deep Learning</b>	Scikit-learn, Scipy, Pandas, Tensorflow, Keras, OpenCV, Seaborn,Matplotlib , NLTK, Gensim, spaCy, PCA, CNN, RNN
<b>Data Science and Miscellaneous Technologies</b>	A/B testing, ETL, Data science pipeline (cleansing, wrangling,modeling, interpretation), Statistics, Time series,Hypothesis testing,Selenium, BeautifulSoup
<b>Big data</b>	Spark,Hadoop, HDFS, Hive ,Mapreduce
<b>Devops and MLOps</b>	Azure machine learning , MLflow , Docker, AWS ECR , AWS ECS , Github actions, Bitbucket pipelines
<b>ETL pipelines</b>	Airflow , Databricks
<b>Business Intelligence</b>	Data Warehouse ETL, powerBI, SQL Server(Microsoft SSIS, SSAS et SSRS)
<b>Database</b>	MySQL, Postegresql , Oracle/PLSQL, MongoDB, Redis, Elasticsearch
<b>Web Technologies</b>	Flask, FastAPI , Django, Laravel 5 , Spring boot, Spring Data , Angular 7
<b>Modeling and methodology</b>	UML, OCL, Merise, CRISP DM, Scrum
<b>Communication</b>	French (Full Professional Proficiency) , English ( Full Professional Proficiency ) , Arabic( Native )
<b>Other abilities</b>	Statistical analysis, probability and stochastic method, data analysis

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### PROJECTS

**Development of a recommendation system for project risk management** using spacy, name entity recognition, topic modeling, tf-idf and ontology learning approach

**Development of a Face Mask Detection application** using computer vision, CNN, openCv and tensorflow.

**Development of an application dedicated to the Tunisian CGA** using computer vision, CNN, openCv and tensorflow.

**Centralize data from all insurance companies in the data warehouse and implement a dashboard** using ssis, ssms, powerBI and Django.

**Development of classification models to detect all kinds of fraud in the insurance field** using CNN, Clustering, Classification and Django.

**Development of a computer vision model to detect if a car is completely destroyed (irreparable cars)** using CNN, Clustering, Classification and Django.

**Development of a time series forecasting model to predict the price of bitcoin** using LSTM, time series and tensorflow.

**Representation of movie content and similarity based on topic extraction from IMDB** using Scraping, Nlp, nltk, Latent dirichlet allocation and Tf-idf.

**Development of a classification model that predicts the unsubscribe status of all customers based on their data** using Machine learning, scikit learn, flask, knn, logistic regression and xgboost.

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### ACTIVITIES

IEEE Computer Society Esprit : Active member	2019 — 2022
Club Google Isim Monastir : Technical manager	2018 — 2019