

Anass BOUCHFAR

BI & Analytics Engineer Student @ENSIAS

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EDUCATION

- 2022-2024 Master's Degree in Engineering, Business Intelligence & Analytics at **ENSIAS - Rabat** : *National School of Computer Science & System Analysis*
- 2021-2022 Master 1 of Information Systems and Intelligent Systems, M2SI at **INSEA - Rabat** : *National Institute of Statistics and Applied Economics*
- 2017-2020 Bachelor of Mathematical and Computer Science, SMI at **UIT - Kenitra** : *Faculty of Sciences, Ibn Tofail University*
- 2015-2016 Baccalaureate : Mathematical Sciences

WORK EXPERIENCE

- Jul - 2023** | **MLOps Engineer Intern, INTELICIA, Casablanca, Morocco**
Sep - 2023
 - > implementing Kubeflow, a MLOps tool, on a Kubernetes cluster using Nutanix as the underlying infrastructure
 - > transform a manual notebook-based machine learning process into an automated workflow, covering the entire lifecycle from data collection to model serving, using Kubeflow.

laC Terraform ML Kubeflow Pipeline Construction Kubernetes docker
- Apr - 2023** | **Data Engineer Freelancer, ARCALEA, Chicago, Illinois, USA - Remote**
 - > Migrate 2 Dashboards from Looker Studio to Domo Platform. each Dashboard contains almost 10 visualizations with 5 KPIs. I create an ETL Pipeline using Magic ETL feature in Domo Platform to move data from multiple sources into a data warehouse.

Looker ETL Domo MySQL SQL
- Jul - 2022** | **Data Engineer Intern, TECHNOCOLABS SOFTWARES, India - Remote**
Sep - 2022
 - > ETL (Extract Transform and Load) Pipelining for the Used Car Prices using apache airflow and Google BigQuery
 - > Predictive Modelling with Spark ML Using used Car Attributes

Python EDA Apache Airflow Google Cloud Platform (GCP) SQL Google BigQuery Git GitHub Spark ML

SKILLS

- Soft Skills** Strong communication skills, Active listener, Explain technical subjects to a non-technical audience, Leadership, Motivation
- Programming** **Python**, Java, C++, C, JavaScript, Php,
- Frameworks** Spring, **Spring Boot**, Flask, FastAPI, Laravel, React
- Data Bases** Oracle, MongoDB, Microsoft SQL Server, MySQL, PostgreSQL
- DevOps** Git, GitHub, **Docker**, Shell Script, Linux
- Cloud** Oracle Cloud Infrastructure (**OCI**), Amazon Web Services (**AWS**), Google Cloud Platform (**GCP**), Huawei Cloud
- Dev-Tools** IntelliJ Idea, Apache Netbeans, Visual Studio Code, Maven, Conda

PROJECTS

NYC TRAFFIC ACCIDENTS DATA WAREHOUSE

anassbouchfar/NYC-Traffic-Accidents-DW

A business intelligence (BI) project consisting of the building and analysis of a Data Warehouse from a dataset (mavenanalytics.io) of New York City accidents in 2020. I worked on the whole decision-making process from the data extraction phase to the report phase.

Talend Java MySQL SQL POWER BI

MCFP

[anassbouchfar/MCNFP](#)

A project to solve The minimum cost network flow problem (MCNFP) with FastAPI/Python (Numpy and Scipy) for problem resolution and React JS for User Interface (UI - Frontend)

[Python](#) [FastApi](#) [NumPy](#) [Scipy](#) [React](#) [Axios](#) [Docker](#)

BANK MARKETING CLASSIFICATION & CLUSTERING

[Bank Marketing](#)

This project presents a study on the use of ML and DL to predict whether a customer will subscribe to a short-term deposit. I first explored the entire data set to identify the most relevant features for prediction. Then, I used these features to train different machine learning models, including deep neural networks. Finally, I compared the performance of these models to determine which one offers the best prediction results.

[EDA](#) [ML](#) [DL](#)

ACTIVITIES

Present
Jun 2022

R&D Manager | IEEE ENSIAS Student Branch, ENSIAS RABAT, Rabat, Morocco

- > Coaching IEEE Members & moderating workshops, training and live coding sessions in CP, Data Science, Web & Mobiel Dev. [link](#)
- > Recruiting new members and promoting the Student branch activities
- > Hosting The 100 Days In Codeland Final Contest (CP) [link](#)
- > Animating Tech-Talks, and sessions in different technologies : python, JAVA, C++, FastApi, Docker
- > Developing IEEE ENSIAS Student Branch's Website [link](#)
- > Starting new Concepts in IEEE, IEEE Empowerment Month, where we ensured many activities, & conferences in the field of Smart Cities, DevOps, Briefings with experts

[Competitive Programming](#) [Software Design Patterns](#) [Leadership](#) [Agile Methodologies](#) [Team Building](#) [Teamwork](#)
[Marketing](#)

AWARDS

BRONZE MEDAL (3RD PLACE) IN THE 2ND EDITION OF PROGRAMMING CONTEST "ITHOLIC"

[link](#)

With 100 teams and 300 participants in the fray, we made it to the top 30 finalists. We had to solve 10 complex problems that put our coding skills and teamwork to the test. Through sheer perseverance and hard work, We secured our place as one of the three winning teams.

[python](#) [C++](#) [Data Structures](#) [Optimization](#)

SILVER MEDAL (2ND PLACE) IN THE LOCAL CTF COMPETITION

[link](#)

we secured second place among 20 teams and 60 students in the local CTF competition organized by INSEC ENSIAS at ENSIAS. Even though it is my first time participating in a CTF competition, I am proud of what we achieved as a team.

[Cryptography](#) [Web Exploitation](#) [Reverse Engineering](#) [Binary Exploitation](#) [steganography](#)

NATIONAL CHAMPION OF HUAWEI ICT COMPETITION (CLOUD TRACK) AND REPRESENTING MOROCCO IN THE REGIONAL PHASE

[link](#)

[Cloud](#) [Ai](#) [Big Data](#) [Storage](#)

FIRST PLACE IN THE DATA COMPETITION (KAGGLE)

[link](#)

[ML](#) [Scikit-Learn](#) [XGBoost](#) [Grid Search](#) [EDA](#) [Feature Engineering](#) [Data Preprocessing](#)

LANGUAGES

Arabic ● ● ● ● ●
English ● ● ● ● ○
French ● ● ● ● ○

INTERESTS

- > Football
- > Blogging
- > Open Source