MARZOUG NABIL

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OBJECTIVE

Data science and machine learning engineering student with experience in Python and R customer-facing interfaces, seeking to gain experience in executing proof of value projects and supporting business development activities.

EDUCATION

Engineering Degree in Data Science and Artificial Intelligence, National school of Applied Sciences, Safi
2022-2024
Relevant Coursework: Data Science , Data analysis, Big Data,Business Intelligence, Machine Learning, Deep Learning, Computer Vision and Natural language processing.

SKILLS

Technical Skills	Python , C++, Data Analysis, Data visualization, Web Scraping, SQL, Excel, Power-Bi, Hadoop, Apache Spark, Kafka,Machine Learning, Streamlit, FastAPI, Flask, Predictive Modeling, Statistics, Mathematics, Scikit-learn, Tensorflow, Pytorch, Hyperparameter-tuning, OpenCV, Problem Solving, Linux
Soft Skills	Communication, Team Work, Professional Writing, Leadership, Critical thinking, Adaptability, Time management

EXPERIENCE

Assistant AI Researcher   2022- 2023
Moncton University-Canada

- Led the analysis of the Cicdarknet-2020 dataset, resulting in a Research paper that describes the use of machine learning in cyber security in identifying and mitigating potential security threats.
- Developed and implemented a comprehensive approach for identifying anomalous behavior and malicious activities in network traffic using Machine learning (Ensemble Methods, Machine Learning Algorithms) and Deep learning techniques (CNN, transfer learning, Gans).
- The paper has been submitted in the 8th IEEE Cyber Science and Technology Congress (CyberSciTech 2023). Read the Paper

Data Science and Machine Learning Intern   2022- 2023
3d Smart Factory-Morocco

- Implemented a machine learning-based credit card fraud detection system using Python. Leveraged advanced classification algorithms and data preprocessing techniques to identify fraudulent transactions.

PROJECTS

Machine Learining Project

- Actively engaged in numerous machine learning projects, showcasing my expertise in extracting valuable insights from complex datasets.

Data Analysis

- Actively engaged in numerous Data Analysis Projects, showcasing my expertise in extracting valuable insights from complex datasets. These projects have honed my skills in manipulating, cleaning, and organizing data to uncover patterns, trends, and correlations.

- One of the notable projects I undertook involved leveraging the power of Power BI, to deliver good insights and reporting solutions. With my expertise in Power BI, I successfully transformed raw data into interactive visualizations, empowering stakeholders to make informed decisions and drive business growth.

Computer Vision

- Developed a skin cancer classification model using deep learning techniques, including InceptionV3 and ResNet architectures. The project aimed to accurately identify and classify skin lesions as either benign or malignant based on dermatological images. Leveraged transfer learning to fine-tune the pre-trained models, achieving high accuracy in the classification task.

- Developed and implemented an object detection system using YOLO (You Only Look Once) version 7.

Natural Language Processing successfully completed an NLP project that focused on sentiment analysis of customer reviews for a leading e-commerce platform. The objective of the project was to analyze a large volume of textual feedback to understand customer sentiments and identify areas for improvement.

BLOGS AND SCIENTIFIC WRITING

- [Mastering Decision Trees For classification: Unleashing Their Full Potential](#)
- [Data Science: Web scraping with python](#)

CERTIFICATES

- [Exploratory Data Analysis for Machine Learning, IBM](#)
- [Foundations: Data, Data, Everywhere, Google](#)
- [intro-to-machine-learning, Kaggle](#)
- [Computer Vision, Kaggle](#)
- [The Elements of Data Science, Machine Learning Online Course, AWS Training Certification](#)
- [Machine Learning for Leaders — Machine Learning Online Course — AWS Training Certification](#)
- [Time Series Analysis in R, Great Learning](#)
- [Statistics for Data Science, Great Learning](#)