WAFA ALDALBAHI

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Professional Summary

Enthusiastic fresh graduate with a passion for machine learning and a solid academic background in computer science. Recently completed a major Boot Camp for T5 SDAIA in data science and AI, seeking a position to apply my knowledge of machine learning algorithms, data preprocessing, and model evaluation to develop intelligent systems and solve real-world problems.

Work History

Data Science Trainee, 03/2024 to 06/2024

The Saudi Data & AI Authority (SDAIA) – Riyadh, Saudi Arabia

- Conducted exploratory data analysis to uncover hidden patterns and trends within large-scale datasets, informing strategic decision-making processes.
- Enhanced data model accuracy by implementing machine learning algorithms and feature engineering techniques.
- Evaluated model performance using various metrics, ensuring robustness and generalizability across diverse datasets.
- Identified, analyzed and interpreted trends in complex data sets using supervised and unsupervised learning techniques.
- Applied appropriate data science techniques to solve business problems.
- Created data visualization graphics, translating complex data sets into comprehensive visual representations.

IT Desktop Support Intern, 01/2014 to 04/2024

Princess Nourah Bint Abdulrahman University – Riyadh, Saudi Arabia

- Ensured data security by assisting with the implementation of antivirus software and other security measures on desktop systems.
- Facilitated smooth transitions for new hires by setting up their workstations and providing necessary orientation on the use of company tools and resources.
- Provided exceptional customer service to end-users, addressing their concerns and resolving issues promptly.
- Reduced downtime for employees by troubleshooting and resolving technical issues swiftly.
- Increased productivity by training end-users on various software applications and hardware devices

Education

Bachelor of Science: Computer Science, 05/2014

Princess Nora Bint Abdul Rahman University - Riyadh, Saudi Arabia

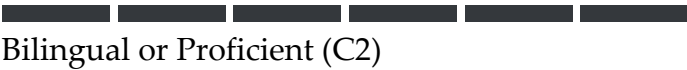- GPA: 4.52
- Degree Awarded with Second Class Honor

Master of Science: Computer Science, 02/2022

Imam Muhammad Ibn Saud Islamic University - Riyadh, Saudi Arabia

- GPA: 4.27
- Thesis Statement: High-performance and Secure Software Implementations for Elliptic Curve Crypto-System.

Languages

Arabic:

Bilingual or Proficient (C2)

English:

Advanced (C1)

Project

- Customer Churn Prediction, Developed a machine learning model to predict customer churn for a telecom company using Python and Scikit-Learn. Achieved an accuracy of 85% using logistic regression and random forest classifiers.
- Sales Data Analysis, Performed data cleaning, visualization, and analysis of sales data using Pandas and Matplotlib. Identified key trends and insights to help the sales team optimize their strategy.
- Image Classification using CNNs, Built and trained a convolutional neural network (CNN) using TensorFlow and Keras to classify images from the CIFAR-10 dataset. Achieved a validation accuracy of 90%.
- Real-Time Object Detection, Implemented a real-time object detection system using YOLO (You Only Look Once) algorithm. Utilized OpenCV and TensorFlow to detect and classify objects in video streams.
- Car Rental Management System, Developed a Car Rental Management System using Python to handle various aspects of car rental operations. The system includes functionalities for managing car inventory, customer bookings, rental transactions, and reporting.
- Air Cargo Analysis, SQL project focused on optimizing air cargo operations, including data analysis, route optimization, and cost reduction strategies. Utilized SQL queries to extract and analyze data, identifying key insights to improve efficiency and reduce costs in air cargo transportation.

Skills

SQL databases

Python programming

TensorFlow framework

Machine learning

Decision trees

Critical thinking

Data analytics

Data visualization

Data cleaning

Documentation

Machine learning algorithms

Power BI tools

Linear regression

Data wrangling

Predictive modeling

Deep learning

Decision-making

Cloud computing

Excel functions

Data storytelling

Tableau