Mayas Tawfeq Masalmeh
Junior Data Scientist

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References: Deena Alabed | Data Scientist | +962790079428

Summary
I possess a Bachelor's degree in Data Science and Artificial Intelligence, a strong proficiency in data analysis using Python, and extensive experience in constructing models utilizing Machine Learning algorithms.

Education
IRBID NATIONAL UNIVERSITY | 2019 - 2023 | GPA: 95.9
Bachelor's Degree in Data Science and Artificial Intelligence

Training Experience
DATA SCIENCE COURSE | CODING ACADEMY BY ORANGE | 360 HOURS
·   Underwent extensive full-time training, during which I developed a wide range of both soft and technical skills in python in the field of data science like: big data, statistics, data visualization, ML, feature selection and extraction, supervised and unsupervised learning, dimensionality reduction, NLP, computer vision

ML TRAINING | SHRE AI | JUL 2022- DEC 2022
·   Engaged in self-improvement training by reading books on machine learning, such as hands-on machine learning book.
·   Completing tasks related to data preprocessing, data analysis, classification, and regression using various datasets, such as the Olympic dataset and the house price dataset.
·   Participated in competitions on Kaggle platform like diamond price prediction and music genre classification.

Projects
Here is an overview of some projects I have worked on:

CREDIT SCORE FORECASTING | CLASSIFICATION PROBLEM | TEAM WORK | PROJECTS LINK
·   The objective of this project was to predict credit scores using a dataset of 12,500 customers' data over 8 months (100,000 records) and 28 features, we follow these stages:
·   Data exploration, processing and creating the charts using seaborn and matplotlib libraries
·   Feature extraction and encoding categorical features using Get Dummies and Ordinal Encoder
·   Feature selection using select Kbest and mutual information algorithms and standardizing the data
·   Building the model using ML algorithm (random forest, decision tree, Xgboost, gradient boosting, catboost)
·   Fine-tuning hyper-parameter using Randomize Search, Finally, we created a user- interface using flask, CSS and html.
DIAMOND PRICE PREDICTION | REGRESSION PROBLEM | TEAM WORK
·   Conduct an Exploratory Data Analysis (EDA) to identify missing data, examine correlations among features, and identify correct and incorrect outliers.
·   Create plots for further analysis using seaborn and matplotlib libraries
·   Fill in missing values, encode categorical variables, feature extraction and standardization.
·   Employ a Stacking Regressor model and fine-tune the hyperparameters.
·   The final RMSE was 456 on the testing data, then we prepare and present the final presentation.
GRADUATION PROJECT IN THE UNIVERSITY | TEXT TO SIGN LANGUAGE | TEAM WORK
·   Scientific research to design a model that convert text to Arabic Sign Language (ASL) using (video generation based on text) include text processing (PoS Tagging, NER, word embedding, sentiment analysis) and video generation using (Multi frame rate hierarchical, swin attention, transfer learning), the project in progress to publish a research paper.

VOLUNTEER EXPERIENCE

As the Coordinator and Executor of the "Let's Program" initiative, in partnership with Nahno and the Islamic Charitable Center Association (ICCA), I voluntarily instructed a 20-hour Python programming course.

Skills & Abilities

Technical Skills:

- Python for Data Science
- Data Analysis
- Machine Learning
- NLP

Soft Skills:

- Team Work
- Presentation
- Communication
- Problem Solving
- Time Management

Courses

- Python & ML Course at The Hope International (60 Hours)   May 2022 - Sep 2022
- Advanced Robotics Programming at Arab Robotics & AI Association (15 Hours) Aug 2022
- Leading Businesses Course at Luminus Shamal Start (20 Hours)   Feb 2022
- Virtual Reality Course at Actual 360 Production (28 Hours)   Feb 2021 - Mar 2021
- CCNA Course at Jubilee Center for Excellence in Education (100 Hours) Nov 2019 - Feb 2020