

Mohammed Kashalo

Data Scientist

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SKILLS

PREDICTIVE MODELING SUPERVISED LEARNING UNSUPERVISED LEARNING
DATA ANALYTICS PYTHON PANDAS NUMPY SCIKIT LEARN SQL MYSQL
DATA MANIPULATION DATA WRANGLING DATA PREPROCESSING DATA CLEANING
MODEL DEPLOYMENT STREAMLIT WEB APPS PROBABILITY STATISTICS
MARKETING ANALYTICS DEEP LEARNING TENSORFLOW & KERAS DATA VISUALISATIONS
POWER BI HYPOTHESIS TESTING REST APIS OBJECT ORIENTED PROGRAMMING
ALGORITHMS & DATA STRUCTURES VERSION CONTROL GIT & GITHUB
COMMUNICATION SKILLS PRESENTATION SKILLS CLUSTERING ANALYSIS
MARKET SEGMENTATION XGBOOST TIME SERIES ANALYSIS

PROJECTS

TIME SERIES STORE SALES FORECASTING

This project uses time series analysis and XGBoost algorithm to forecast the sales of Rossmann stores, one of the largest drug store chains in Europe. The data comes from a Kaggle competition and contains historical sales data for 1,115 stores across seven countries. The project involves data cleaning, exploratory data analysis, feature engineering and model building. The goal is to help Rossmann stores plan ahead and optimize their business performance.

MOVIES RECOMMENDATION SYSTEM WEBAPP

This project is a movie recommendation system written in Python. It uses the MovieLens Dataset for movies and ratings. The program uses Pandas Python data analysis library to work with the datasets. Objective The main goal of this project is to build a recommendation engine that recommends movies to users based on their preferences and ratings. This project is designed to understand the functioning of a recommendation system.

PREDICTING HEALTH INSURANCE COST USING MACHINE LEARNING

The objective is to use data analysis and regression to estimate health insurance costs based on medical conditions. The data has 500 rows of user details from an insurance company. The tools are Python libraries for data cleaning, visualization and modeling.

CREDIT CARD CUSTOMERS SEGMENTATION CASE STUDY

The objective is to use clustering to create customer segments based on income, demographics and purchasing behavior for personalized offers. The data has 9000 rows of customer information. The tools are Python libraries for data analysis, visualization and clustering.

BANK MARKETING CAMPAIGN DATA ANALYSIS

This project explores how a bank can optimize its marketing campaigns using data from past interactions with customers. Using Python tools and statistical tests, the project reveals insights and strategies that can help the bank reach more potential clients and increase its revenue.

PREDICTING INCOME RANGE USING RANDOM FORESTS

Using Python tools and data science techniques, this project aims to build a model that can predict if an adult earns more than 50K USD a year based on their personal and professional attributes. The data consists of 32K records of adults with 15 features such as age, occupation, and degree. The model will use Random Forests, a powerful ensemble method, to achieve high accuracy and interpretability.

BIKE SHARING PREDICTION WEB APP

I created a web app that can tell how many bikes will be rented on any given day, based on the weather and other factors. We use data from a bike sharing company in Washington D.C. and add weather data from a website. We use Python tools to analyze, visualize and model the data, and Streamlit to deploy the app.

CERTIFICATIONS

ASSOCIATE DATA SCIENTIST

<https://www.datacamp.com/certificate/DSA0011401887371>

This is an official certification from **data camp**, I managed to grant this certificate after finishing 3 coding assessments, and end-to-end data science case study.

This certificate will expire at Aug 2024

EXPERIENCE

ACCOUNT EXECUTIVE

Jan 2022 - present | GlobeMed Group

I work at the underwriting department and my responsibilities is:

- Working in Oracle ERP System to manage insured customers
- Analyzing Insurance companies customers and designing insurance coverages.
- Create pricing plans for insurance companies.
- I create reports and dashboard for insurance companies
- I create loss-ratio reports using Qlik Sense and Cognos analytics

EDUCATION

ACCOUNTING BACHELOR DEGREE

Damascus University | Graduated in 2022