mohamed elsayed

Data analyst

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⊙ mohamed2elsayed

in mohamed elsayed

About

Highly educated, innovative, and motivated data analysis professional with a wealth of knowledge. Seeking a challenging and career-advancing position as a junior data analyst with Tech Firefly. Strong creative and analytical skills. I am experienced in using tools such as Tableau, Microsoft Excel, and Python to obtain insights from data. I am seeking a full-time job in this field where I can apply my skills for continuous improvement.

Projects

The effects of solar wind on the magnetosphere

This project evaluates large datasets to identify trends and develop actionable insights related to the effects of solar wind on the Earth's magnetosphere.

- Search and build 54 datasets for 27 years to a scientific event on The Earth's Magnetosphere.
- Build subplots for all 54 datasets, and study them to find relation.
- We assembled visual representations of data with charts, graphs, or infographics.
- Calculate radius magnetopause for all 54 datasets and study these events.
- Build a dataset including 27 years of scientific events, make a group for all the top events that happened each year, and take the lowest radius magnetopause.
- Apply time series prediction and predict data 2023:2030 to complete 25 solar cycles.
- Make a report to show the powerful events in the 23,24,25 solar cycle in which month.

Movies Recommendation Website

This project leverages my expertise in data analysis to develop a Movie Recommendation System using the TMDB 5000 Movie Dataset. The system is implemented on a website and provides movie recommendations based on a select dataset. This project demonstrates my proficiency in data analytics and the practical application of these skills in creating an interactive, user-friendly movie recommendation platform.

Customer Retention PwC Power Bi

• Customers who left within the last month
• Services each customer has signed up for phone, multiple lines, internet, online security, online backup, device protection, tech support, and streaming TV and movies.
• Customer account information: how long a customer, contract, payment method, paperless billing, monthly charges, total charges, and the number of tickets opened in the categories of administrative and technical.
• Demographic info about customers – gender, age range, and if they have partners and dependents.

Languages

Arabic
Fluent

English
very good

Skills

Microsoft Power BI

My Sql

Python

Data Analytics

Data Visualization

Projects

Call Center Trend PwC Power Bi

- Overall calls were answered, abandoned, and resolved
- Calls sorted by topic
- Call volume per month
- Customer satisfaction rating
- Agent's performance quadrant
- Average Call Duration and Speed of Answer

Diversity & Inclusion PwC Power Bi
The dashboard defined relevant KPIs in hiring, promotion, performance, and turnover, and drew conclusions.
Some measures created were:

- % of men
- % of women
- % of leavers
- % employees promoted (FY21)
- % of women promoted
- % of hires men
- % of hires women
- Average performance rating: men
- Average Performance rating: women

Certifications

Google Data Analytics Professional

Data Analysis with Python

Google IT Automation with Python

Accenture North America Data Analytics and Visualization Virtual Experience

PwC Switzerland Power BI Job Simulation

KPMG AU Data Analytics Consulting Virtual Internship

Education

Faculty of science
Since September 2018 Helwan university cairo
Space Departments

Coding Internship
From July 2022 to September 2022 EGSA New Cairo, QH, Egypt

- Build a machine that reads temperature and humidity and detects smoking for each minute
- Make a website to receive data and plot that reading temperature and humidity for the whole day