

Hussein Ali

Data Analyst

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Summary

Detail-oriented Data Analyst skilled in Python, SQL, Excel, Power BI, and Apache Superset. Experienced in data collection, cleaning, analysis, and visualization to deliver actionable business insights. Proficient in automating workflows and collaborating with cross-functional teams to solve complex problems.

Skills

Technologies: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, PyTorch, Beautiful Soup), PostgreSQL, Excel, Power BI, Apache Superset

Technical Skills: Data Collection, Data Cleaning, Exploratory Data Analysis (EDA), Data Modeling, Data Visualization, Reporting, Process Automation

Soft Skills: Communication, Problem Solving, Team Collaboration, Data Storytelling, Attention to Detail

Education

Bachelor of Computer Science

Beni-Suef University, Beni-Suef, Egypt

July 2019 – June 2023

Relevant Coursework: Machine Learning, Natural Language Processing, Data Mining, Cloud Computing

Experience

Data Analyst Intern @COB Solution, Cairo, Egypt

February 2023 – August 2023

- Built interactive dashboards using Power BI and Excel to support billing and auditing teams.
- Automated recurring reporting tasks, reducing manual workload and accelerating report delivery.

Data Analyst Intern @Business Spike, Beni-Suef, Egypt

July 2021 – June 2022

- Developed predictive models using Python to analyze customer behavior and forecast market trends.
 - Analyzed investment and sales data to support strategic pricing and investment decisions.
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Projects

M2 Medical Assistant (Graduation Project)

- Developed deep learning and computer vision models to detect multiple medical conditions.
- Integrated large language model (LLM) for generating natural language diagnoses and treatment suggestions.

PROPIX Real Estate Market Analysis

- Scraped property data and applied regression and clustering techniques for price prediction.
- Created a web dashboard enabling non-technical users to explore market insights.

SCHEDULIZER CPU Scheduling Python Package

- Developed a Python package simulating CPU scheduling algorithms to support operating systems education.

ROGEN Rocket Trajectory Simulator

- Designed a web-based simulation applying genetic algorithms to model rocket trajectories and optimize target accuracy.
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Certifications

- Microsoft Machine Learning Engineer – DEPI (October 2024)
- Google Data Analytics Professional Certificate – Coursera (January 2023)
- ITI Data Analyst Track – Information Technology Institute (December 2022)
- Data Analysis with Python – freeCodeCamp (July 2022)