Ahmed Saied Ahmed Mohamed Elshita

Data Scientist

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Objective

Data Scientist with expertise in statistical analysis, machine learning, and data visualization. Skilled in extracting actionable insights from complex datasets using Python and various data science tools. Seeking to apply data-driven strategies to solve business problems and support decision-making in a dynamic environment.

Professional Experience

Data Analyst, *RED | Real Estate Domain* ✐
05/2024 – present
New Cairo, Egypt

- Lead and manage the data entry team, ensuring high-quality data is collected, cleaned, and entered efficiently into the company's website.
- Developed automated processes using Python to improve data handling, speed up data entry, and ensure high data quality.
- Designed and implemented processes and procedures to enhance the accuracy and speed of data entry, including bulk data uploads and automated workflows.
- Built a database and data warehouse to store historical data, enabling advanced data analysis and reporting.
- Utilized Python and Power BI to analyze and visualize customer data, sales trends, and lead generation, supporting decision-making and business strategies.
- Extracted customer and sales data from CRM systems, analyzed performance metrics and provided actionable insights to the management team.
- Conducted web scraping to gather competitive intelligence and create high-quality leads, expanding the company's reach and improving lead generation.
- Collaborated with the data analysis team to track customer interactions, analyze sales performance, and support the sales team with data-driven insights.

Projects

OLTP Data Warehouse ETL, *Adventure Works 2017 DB* ✐
08/2023
This project focuses on designing and implementing an Extract, Transform, Load (ETL) process using SQL Server Integration Services (SSIS) for extracting data from an Online Transaction Processing (OLTP) system, specifically Adventure Works 2017 database, and loading it into a Data Warehouse.

Credit Card Approvals,
03/2023
build an automatic credit card approval predictor using machine learning techniques ✐
Used Python for Data Loading and Exploration, Data Preprocessing, and Exploratory Data Analysis (EDA) using pandas and numpy. Building a Machine Learning Model, Choose a suitable machine learning algorithm for the classification task including Logistic Regression, Model Evaluation, Fine-Tuning and Grid Search, Final Model Training, and Making Predictions

Wuzzuf Website, *Web Scraping, Recommendation System, And Data Analysis For Wuzzuf Website* ✐
03/2023
Python was used for the entire process, leveraging libraries such as BeautifulSoup for web scraping, Pandas and Numpy for data manipulation, Seaborn and Matplotlib for visualization, and scikit-learn for the implementation of a TF-IDF recommendation system

Drug Company, *DBMS Project* ✐
08/2022
It involves designing and implementing a comprehensive database solution tailored to the specific needs of a pharmaceutical or drug manufacturing company I used Entity-Relationship (ER) Modeling and Normalization, and I did some SQL queries

Image Processing App, *Image Processing GUI Desktop App* ✐
01/2022
Developed using popular libraries such as Tkinter for the GUI components and OpenCV for image processing tasks such as Image Loading and Display, processing tools are available, such as filters (e.g., blur, sharpen, grayscale), and adjustments (e.g., brightness, contrast), Real-time Preview, Image Saving, and Export

Airline-Reservation-System,
03/2021
Optimizing Travel Experiences through Seamless and Efficient Booking Solutions ✐
The Airline Reservation System is a robust software application developed using Java, emphasizing Object-Oriented Programming (OOP) principles and design patterns, with a strict adherence to the SOLID principles.

Education

Bachelor's Degree in Computer science engineering,   09/2017 – 07/2022
Menoufia University Faculty of Electronic Engineering
   Grade: very good with honor ✐

   Graduation Project:
I was the project leader, we planned and designed in a team of 5, a road project in Smart crime detection using computer vision and AI. The crime tracking and monitoring system relies entirely on both the surveillance cameras available in the places where the project is targeted, as well as the artificial intelligence system that analyzes the inputs coming through the cameras and then begins the process of identifying the aggressive acts Then the result will be in the form of a report that can be sent to the competent authorities immediately and thus track the crime as it occurs.
   Grade: Excellent

Courses

Machine Learning Engineering for Production (MLOps) Specialization, *Coursera*   05/2024 – present
   Skills: Model Pipelines, Deployment Pipelines, Machine Learning, Engineering for Production, Managing Machine Learning Production Systems, Data Pipelines

TensorFlow Advanced Techniques Specialization, *Coursera deeplearning.ai* ✐   10/2023 – 01/2024
   Skills: Tensorflow, Machine Learning, Deep Learning, Artificial Neural Networks, Computer Vision

Natural Language Processing Specialization, *Coursera deeplearning.ai* ✐   07/2023 – 10/2023
   Skills: Natural Language Processing, Statistical Programming, Probability & Statistics, Statistical Machine Learning

Deep Learning Specialization, *Coursera deeplearning.ai* ✐   01/2023 – 06/2023
   Skills: Machine Learning, Deep Learning, Artificial Neural Networks, Machine Learning Algorithms, Applied Machine Learning

Data Analysis Scholarship, *ITI 4 MONTHS* ✐   09/2022 – 01/2023
   Skills: Power BI, DBA, SQL, ETL, Python, Statistics and Probability, Visualization, Analytics, Reporting, R

Excel Skills for Data Analytics and Visualization Specilization,   08/2022 – 09/2022
Macquarie University Coursera ✐
   Skills: Spreadsheet Software, Business Analysis, Data Visualization, Data Analysis Software, Microsoft Excel, Data Analysis, Data Management, Statistical Visualization, Exploratory Data Analysis, Plot (Graphics)

Nanodegree Advanced Data analysis program, *FWD Udacity* ✐   06/2022 – 08/2022
   Skills: Power BI, DBA, SQL,Tableau, Python, Statistics and Probability, Visualization, Analytics

Data Science and Machine learning career track, *DataCamp* ✐   06/2022 – 08/2022
   Skills: Machine Learning Algorithms, Applied Machine Learning, Python, Statistics and Probability, Visualization, Analytics, Reporting

Machine Learning Specialization, *Coursera deeplearning.ai* ✐   06/2022 – 08/2022
   Skills: Logistic Regression, Artificial Neural Network, Linear Regression, Decision Trees, Recommender Systems

Skills

Python ● ● ● ● ○
NumPy, Pandas, Seaborn, Matplotlib,
Scikit-Learn, TensorFlow, Data Cleaning and Preprocessing

Java ● ● ● ● ○
OOP, design patterns, SOLID principles

Tableau ● ● ● ● ○
Data Visualization

ETL & Data warehouse ● ● ● ○ ○
SSIS, SSAS, SSRS , Data lake – data lakehouse

MongoDB & NOSQL ● ● ● ● ○
Design and Implementation

Statistical Analysis & Analyze A/B Tests ● ● ● ○ ○
Descriptive Statistics, Inferential Statistics, Hypothesis
Testing, Probability Distributions,

C / C++: ● ● ● ● ○
Problem Solving Skills

Power BI ● ● ● ● ○
Business Intelligence, Data Analysis, Data Visualization

Excel Power Tools ● ● ● ● ○
power query , power pivot , DAX and macro

**Database/Advanced
SQL/MySQL/PostgreSQL/Oracle** ● ● ● ● ○
Data Modeling, Database Design and Implementation

Big Data ● ● ● ○ ○
Apache Spark, Hadoop

Cloud Platforms ● ● ● ○ ○
Azure, AWS

Soft Skills

Skills:
- Strong analytical and problem-solving skills.
- Excellent teamwork, communication and collaboration abilities.
- Experience working in Agile/Scrum environments.
- Continuous learning mindset and passion for emerging technologies in data engineering.
- Ability to work effectively in cross-functional teams.

Languages

Arabic ● ● ● ● ●   English ● ● ● ● ○