Ahmed Azab

Data Engineer
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EXPERIENCE

LXT | Data Engineer
Jan 2024 – Present | Full time | Remote

- Specialize in creating and maintaining robust data pipelines using Airflow and Maga.
- Expertise in handling both unstructured and semi-structured data.
- Design scalable and reliable solutions for efficient data integration and processing.
- Support diverse data needs for advanced analytics and critical decision-making.
- Focus on ensuring optimal data availability and quality within the organization.

PRICINGONE | Data Engineer
Dec 2022 – Dec 2023 | Full time | Egypt

- Expert in ETL processes and Data warehouse modeling, optimizing data integration and storage solutions.
- Utilizing ADF Azure Data Factory and web scraping tools like Selenium and Scrapy to extract data from diverse sources.
- Developing automated data cleansing pipelines using Azure Databricks to enhance data quality and efficiency.
- Designing robust data models/schemas on Azure SQL to fulfill both functional and non-functional product requirements.
- Efficiently managing data across multiple platforms including Azure SQL and Azure Blob Storage.
- Specializing in time series analysis and forecasting, leveraging advanced techniques to drive predictive insights.

CORELIA | Data Scientist
Apr 2022 - Oct 2022 | Full time | Egypt

- Enhanced technical support team performance through an NLP-based ticket distribution system, significantly reducing ticket assignment time.
- Led web scraping projects to collect vital data for company operations, utilizing tools like Selenium and Beautiful Soup.
- Developed and maintained a pipeline for an efficient ticketing system, optimizing support response times and customer satisfaction.

UPWORK | Data science Freelancer Top Rated
Oct 2021 - Apr 2022 | Freelance

- Completed various data science projects, generating over $5,000 in revenue.
- Developed an automated data collection script, expediting website transformation and boosting company profits.
- Implemented machine learning solutions in Matlab projects and executed numerous web scraping assignments.
- Maintained a perfect 5/5 rating across all projects, reflecting exceptional quality and client satisfaction.
- Achieved a 100% Job Success Score (JSS), demonstrating consistent delivery of top-tier results and reliability.

CORPORATICA | Machine Learning Intern
Dec 2021 – Feb 2022 | Full time | Remote

- Focused on the design and development of machine learning and deep learning systems.
- Contributed to the creation of a chatbot by preparing and collecting data.
- experience working with AWS services.

SKILLS

TECHNICAL SKILLS

Programming Languages
• Python 3
Frameworks
• Flask • Dash • PySpark
Database
• PostgreSQL • MySQL • Azure SQL
Web scraping
• Selenium • Beautiful soup • Scrapy
Other
• Git • Linux
Familiar
• C • Java • NoSQL

MACHINE LEARNING SKILLS

• TensorFlow • OpenCV • NLTK
• SKlearn • MatPlotLib • Pandas
• Numpy • seaborn • Plotly
• ML Matlab

CLOUD SKILLS

• Azure • Synapse • Data factory
• Databricks • Virtual machines • blobs
• AWS • EC2 • Sagemaker
• GCP

EDUCATION

MASTER IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE Częstochowa, Poland
Feb 2025 – Present | Częstochowa University of Technology

ITI | AI Pro Program - 9 Months
Sept 2021 | Nasr city, Egypt
Joint Program with EPITA

BACHELOR OF ENGINEERING | Monofiya University
Graduated May 2020 | Monofiya, Egypt
Bachelor of Electrical and Computer Engineering

PROJECTS

- Multiclass Classification with Matlab - Developed a robust solution for complex classification problems.
- Football Player Dashboard - Utilized Dash and Plotly to create an interactive dashboard for player analytics.
- Big Data Project with PySpark - Implemented scalable data processing solutions using PySpark.
- Implementation of Adagrad, RMSProp, Adam Algorithms - Created from scratch using NumPy, showcasing a deep understanding of optimization algorithms.
- Seoul Bike Rental Prediction - Employed multiple regression models including LR, RFRegressor, and SVR for accurate forecasting.
- Car Crashes' Severity Prediction - Analyzed data to predict the severity of car crashes using various models.
- Dry Beans Classification - Applied several classification models and ANN architectures for precise categorization.
- Bar Chart Race Projects - Developed dynamic and engaging data visualizations.
- Web Scraping Projects - Extracted and processed large datasets from the web for diverse applications.

VOLUNTEERING

- IEEE (robotics and automation team).
- AIESEC Egypt (IGV member).
- Lifemakers foundation.
- students' union.

ADDITIONAL INFORMATION

LANGUAGE

Native:
Arabic
Fluent:
English

DATE OF BIRTH

October 1, 1997