

Sarah Samir Shawky

Junior Data Analyst

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Professional Summary

Detail-oriented and analytical Data Analyst with a strong background in machine learning, data preprocessing, and feature engineering. Proficient in Python, SQL, and data visualization tools, with expertise in building predictive models and extracting meaningful insights from complex datasets. Passionate about leveraging data to drive strategic decision-making and optimize business processes.

Skills

- Programming:** Python (Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow, PyTorch)
- Data Analysis:** Exploratory Data Analysis (EDA), Statistical Analysis, Feature Engineering
- Databases:** SQL
- Data Visualization:** Power BI, Matplotlib, Seaborn
- Machine Learning:** Supervised & Unsupervised Learning, NLP, Time Series Analysis
- Tools & Platforms:** Jupyter Notebook, Google Colab, Excel

Education

Bachelor's Degree in Computer Science

2019 – 2023

Sohag University, Faculty of Science

- Grade:** Very Good
- project:** Agricultural Robot
Project Grade: Excellent

Artificial Intelligence & Machine Learning Diploma

04/2024 – 09/2024

Route Academy

Projects

1. Customer Churn Prediction

- Developed a machine learning model to predict customer churn based on historical data.
- Used Python (Pandas, scikit-learn) for data preprocessing and model building.
- Visualized insights using Matplotlib and Seaborn.

2. Sentiment Analysis on Social Media Data

- Built an NLP model to analyze and classify sentiments from social media posts.
- Implemented text preprocessing, feature extraction, and deep learning techniques using TensorFlow and BERT.

3. Sales Forecasting Model

- Created a time-series forecasting model to predict sales trends.
- Applied statistical techniques and machine learning algorithms for forecasting.

Certifications

- Udemy NLP Specialization
- Practical Machine Learning for Data Scientists

Languages

- English: Intermediate
- Arabic: Native