Mohamed Sayed Zaky Esawy

Address: Al-Ayat, Giza, Egypt
Phone: +20 111 610 9838
Email: mohamedsayedzaky100@gmail.com
LinkedIn: linkedin.com/in/mohamedsayedzaky
Portfolio: https://mostaql.com/u/Mohamed_Sayed54/portfolio

Professional Summary

Final-year AI Engineering student at Beni Suef National University with hands-on experience in both Data Engineering and Artificial Intelligence. Strong foundation in building ETL pipelines, managing databases, and visualizing insights using Power BI.
Currently working remotely as a Data Engineer at StrategyConnect, automating data pipelines and supporting business decisions through actionable analytics. Passionate about using data and AI to solve real-world problems and staying up-to-date with the latest trends in the AI and data ecosystems.

Education

Bachelor of Science in Artificial Intelligence Engineering
Beni Suef National University – Faculty of Artificial Intelligence
2022 – Expected Graduation: 2026

Professional Experience

Data Engineer – StrategyConnect (Remote – Part-time)
Apr 2025 – Present

- **Designed and deployed automated data pipelines using Python and Azure Data Factory**

- **Collected and transformed live data from APIs (authentication-based)**

- **Created insightful dashboards in Power BI for business and technical teams**

- **Collaborated with stakeholders to ensure scalable data integration**

- **Worked with Azure SQL, Event Hub, and Data Warehouse to support real-time reporting**

Data Engineering Trainee – Digital Egypt Leaders Initiative (NTI)
Jun 2024 – Oct 2024

- **Extracted and cleaned data from web sources using Playwright, BeautifulSoup, and requests**

- **Built ETL pipelines for structured and unstructured data**

- **Developed dimensional Data Warehouses**

- **Delivered visual reports in Power BI with DAX and advanced filtering**

Graduation Project – Bank Data Analysis Dashboard
Sep 2024 – Oct 2024

- **Collected and pre-processed financial and customer data**

- **Designed a full reporting system using Power BI**

- **Implemented visual storytelling to understand customer behavior and financial KPIs**

AI Skills & Projects

- **Trained classification models (CNN, MLP, SVM) on handwritten digit recognition using MNIST dataset**

- **Built a text classification system using pre-trained transformer models (BERT-style)**

- **Worked with OpenCV and TensorFlow for image processing tasks**

- **Fine-tuned AI models for use cases like sentiment analysis and topic detection**

- **Familiar with scikit-learn, Keras, PyTorch (basic level)**

Technical Skills

- **Programming: Python, Java, C++**

- **Databases: SQL, Azure SQL, SQL Server**

- **Cloud & Big Data Tools: Azure Data Factory, Azure Synapse Analytics, Azure Databricks**

- **Visualization: Power BI, Excel**

- **AI Tools: TensorFlow, Keras, scikit-learn, OpenCV, NLTK, Hugging Face Transformers**

- **Web Scraping: BeautifulSoup, Playwright, Selenium**

- **Version Control: Git & GitHub**

- **Data Engineering: ETL, API integration, Data Cleaning, Data Warehousing**

Certifications & Courses

- **Data Analysis Nanodegree – Udacity (Sponsored by ITIDA)**

- **Machine Learning & Deep Learning – Kaggle Track**

- **Digital Egypt Leaders Initiative – Data Engineering Path**

Languages

- **Arabic: Native**

- **English: Good (Reading – Writing – Speaking)**

Interests

- **Artificial Intelligence and Machine Learning**

- **Data Analytics and Business Intelligence**

- **Virtual Worlds & Metaverse Technologies**

- **Automation & Real-Time Data Systems**

- **Open Source Contributions**