

# Mahmoud Elgendy

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LinkedIn · GitHub · Portfolio

## Professional Summary

AI Engineering undergraduate specializing in machine learning and data-driven solutions. Proficient in Python and core ML libraries including Pandas, NumPy, scikit-learn, TensorFlow, and PyTorch. Possesses a strong foundation in developing, training, and evaluating predictive models. Eager to apply analytical problem-solving and model development skills to an entry-level AI/ML role.

## Education

**B.Sc. in Artificial Intelligence Engineering**, Faculty of Engineering, Tanta University Oct 2022 – Expected Jun 2027

- **Relevant Coursework:** Machine Learning, Neural Networks, Data Mining, Data Structures & Algorithms, Operating Systems, Probability & Statistics, Database Systems.

## Technical Skills

|                  |                                    |
|------------------|------------------------------------|
| Languages        | Python, SQL                        |
| Machine Learning | Scikit-learn, TensorFlow, PyTorch  |
| Data Analysis    | Pandas, NumPy, Matplotlib, Seaborn |
| Developer Tools  | Git, Docker                        |
| Databases        | MySQL, JSON                        |

## Projects

**YouTube Trending Exploratory Data Analysis** [GitHub Link](#)

- Engineered a data pipeline using Pandas and NumPy to ingest, clean, and merge multi-format datasets (CSV, JSON) from several countries, enhancing data consistency and readiness for analysis.
- Developed comprehensive visualizations with Matplotlib and Seaborn to identify key trends in video performance metrics, such as views, likes, and category distribution.
- Extracted actionable insights into content engagement patterns, providing a data-driven foundation to inform potential content and marketing strategies.
- **Technologies Used:** Python, Pandas, NumPy, Matplotlib, Seaborn, JSON.

## Certifications & Training

**Get SKILLED in Machine Learning**, CSkilled Academy Aug 2024 – Present

- A comprehensive program focused on practical machine learning applications using Python, Scikit-learn, and PyTorch, involving hands-on projects and case studies.

**Data Analysis with Python**, FreeCodeCamp Mar 2025 – Jun 2025

- NumPy & Pandas manipulation, visualization with Matplotlib & Seaborn
- Developed core data analysis skills through hands-on exercises

**Mastering Python: Problem Solving & OOP**, Udemy Oct 2024 – Feb 2025

- Intensive training covering Python fundamentals to advanced software design, including over 190 coding exercises and object-oriented programming projects.