

Omnya Ayman

Data Scientist

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PROFILE

Third-year Computer Science student at Helwan National University, specializing in Data Science. I build data-driven solutions and machine learning models that transform raw data into meaningful business insights through code, statistics, and analytical thinking. Actively seeking opportunities in Data Science, Machine Learning, and Software Development where I can contribute to impactful work.

EXPERIENCE

Digital Egypt Pioneers Initiative (DEPI), 12/2025 – Present
Data Engineer — Internship

Working on data engineering pipelines and data-driven solutions as part of Egypt's national digital transformation initiative, applying best practices in data modeling and pipeline architecture.

National Telecommunication Institute (NTI), 08/2025 – 09/2025
Machine Learning Engineer — Internship

Completed an intensive one-month ML internship focused on building practical and theoretical foundations in data-driven problem solving. Applied supervised learning, model evaluation, preprocessing techniques, and worked with scikit-learn, NumPy, and TensorFlow on real-world datasets.

EDUCATION

Helwan National University, B.Sc. Computer Science 10/2023 – 05/2027
Specialization: Data Science

TECHNICAL SKILLS

Languages (Python, Java, SQL, Solidity) | **ML / AI** (scikit-learn, NumPy, Pandas, TensorFlow, Deep Learning) | **BI & Tools** (Power BI, DAX, Git, GitHub) | **Data Science** (EDA, Feature Eng., Statistics, PCA, PostgreSQL)

LANGUAGES

Arabic (Native) | **English** (Native)

CERTIFICATIONS HIGHLIGHT

Data Scientist in Python (DataCamp, Apr 2026) | **Getting Started with Deep Learning** (NVIDIA, Aug 2025) | **Machine Learning** (NTI, Aug 2025) | **Intro to Cybersecurity** (Cisco, Feb 2026) | **ICDL** (Cairo University, Aug 2025) | **Intro to Python Programming** (ABPP, Dec 2023)

PROJECTS

Lung Cancer Detection

- ML classification system predicting lung cancer likelihood from patient health data. Trained and compared Logistic Regression, Decision Tree, Random Forest, and SVM — SVM achieving best accuracy. Full preprocessing and feature selection pipeline.
- Python, scikit-learn, NumPy, Classification

E-commerce Sales & Revenue Analysis

- End-to-end EDA project uncovering revenue drivers and customer behavior patterns in e-commerce data. Applied hypothesis testing, PCA, and feature engineering to deliver actionable business insights.
- Python, Pandas, PCA, EDA

Online Courses Analysis Dashboard

- End-to-end BI solution in Power BI analyzing online course market trends, pricing strategies, and subscriber behavior. Implemented DAX measures, data modeling, and storytelling best practices.
- Power BI, DAX, Data Modeling, Power Query

Permanent Report Card System

- Blockchain-based academic platform storing student grades on Ethereum smart contracts (Solidity + Python Web3). Features admin dashboard, Grade Coin token system, live alerts, and blockchain analytics with CSV export.
- Solidity, Python, Web3, Ethereum

CORE COMPETENCIES

Machine Learning & Modeling, *Advanced*

Data Analysis & EDA, *Advanced*

Business Intelligence (Power BI), *Intermediate*

SQL & Database Design, *Intermediate*

Python Programming, *Advanced*

Statistical Analysis, *Intermediate*

Data Engineering, *Intermediate*

ABOUT ME

I am passionate about using data to solve real-world problems. I enjoy building end-to-end solutions from raw data cleaning to deployed models and interactive dashboards. I continuously improve my skills through hands-on projects, open-source contributions, and self-learning.

OPEN TO

Data Science Roles, ML Engineer, Data Analyst, Internships