

Nour-Eldeen Anwar Mohamed

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Career Objective

Aspiring Data Scientist with a good foundation in Python, Machine Learning (ML), and Deep Learning (DL). Passionate about leveraging data-driven insights and AI technologies to solve real-world problems. Eager to contribute to innovative teams while expanding technical and analytical skills.

Education

- **Bachelor of Data Science** – Alexandria University. **CGPA:** 3.19 **2021-2025**
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Training & Courses

AI – Samsung Innovation Campus (Jul 2024 – Oct 2024)

- Completed training in Python fundamentals, data analysis (probability, statistics, linear algebra), machine learning algorithms, and neural networks using TensorFlow and Keras.

Data Analysis – My Communication (Jun 2023 – Aug 2023)

- Developed expertise in data analysis using Power BI, focusing on deriving insights and supporting data-driven decision-making.

Machine Learning Specialization by DeepLearning.AI

- Completed foundational course covering supervised learning, unsupervised learning.

Google Data Analytics

Completed professional certificate program covering data cleaning, analysis, and visualization with tools like Excel, SQL, and Tableau.

Data Analysis (egFWD)

- Completed hands-on training in data analysis, including exploratory data analysis and visualization.
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Projects

Muthmir – Smart Agriculture System(Graduation Project)

- Built a smart greenhouse using IoT, AI, and a mobile app to monitor and control plant growth.
- **Tools:** YOLO, PyTorch, Kaggle, Roboflow, Power BI, Azure

Real-Time Violence Detection

- Developed a deep learning system for real-time violence detection using a hybrid MobileNetV2 and LSTM model.

Superstore Sales Analysis

- Analyzed the "Superstore Sales" dataset to derive insights for strategic decisions, using EDA, data preprocessing, and regression models (KNN, Random Forest, XGBoost, AdaBoost).

Consumer Behavior Analysis for Smart Wellness Devices at Bellabeat

- Analyzed using R, conducting EDA and visualizations to uncover user behavior patterns, providing insights to enhance marketing strategies and user engagement.
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Technical Skills

- **Data Preparation & Analysis:** EDA, Data preprocessing, Statistical analysis, and Feature engineering.
- **Machine Learning & Deep Learning:** Supervised learning, Unsupervised learning, Model evaluation, Hyperparameter tuning, neural networks, Image preprocessing and Computer Vision.
- **Mathematical Skills:** Probability and Statistics, Linear Algebra, and Optimization.

Familiar :

- R (Programming Language) ,Java,OOP, Microsoft Power BI, SQL and Database Management.
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Soft Skills

Awards & Competitions:

- 3rd Place Winner at "Port Said Engineering Day 2025" for the Muthmir smart agriculture project.
- Secured 3rd place in graduation project competition organized by IEEE Mansoura .

Languages:

- Arabic (Native)
- English (Intermediate Level)