

NOUR-ELDEEN ANWAR MOHAMED

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SUMMARY

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.

SCHOLARSHIPS

AI-Samsung Innovation Campus (SIC)

(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.
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EDUCATION

2021 - present

Bachelor of Data Science – Alexandria University. **GPA:** 3.19

CERTIFICATIONS

- AI – Samsung Innovation Campus (SIC)
 - Stanford University (Machine Learning) – Coursera
 - egFWD Data Analysis
 - Google Data Analytics – Coursera
 - Data Analytics – My Communication
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PROJECTS

Real-Time Violence Detection (CNN-based CCTV Classification)

- Developed a deep learning system for real-time violence detection using a hybrid MobileNetV2 and LSTM model, achieving 99.79% accuracy with TensorFlow and Keras.

Muthmer – Smart Agriculture System

- Built a smart greenhouse using IoT, AI, and a mobile app to monitor and control plant growth. Used YOLO for tomato leaf disease detection and a chatbot for real-time support.

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

- Machine Learning & Deep Learning: Scikit-learn, Keras, TensorFlow, CNN, LSTM, model evaluation, regression, classification.
 - Data Analysis: Pandas, NumPy.
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ADDITIONAL INFORMATION

Familiar :

R (Programming Language) , Microsoft Power BI, SQL and Database Management.

Awards & Competitions:

3rd Place Winner at Port Said Engineering Day 2025 for the Muthmer smart agriculture project.