Arwa Mohamed Ali Galal *Data Scientist*

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Profile

Highly motivated Data Science student with strong problem-solving skills and solid knowledge of algorithms. Gained hands-on experience through participation in the Egyptian Collegiate Programming Contest (ECPC) and practical machine learning projects, demonstrating proficiency in programming and analytical thinking.

Education

2022 – 2026 Luxor, Egypt	**Bachelor of Science in Computer Science** *Faculty of Computer Science and Information Technology, Luxor University*

Projects

11/2023 – 12/2023	**Online Clinic Reservation System** *Developed a full-stack clinic reservation website using PHP, MySQL, HTML, CSS, and JavaScript, allowing users to book appointments online with smooth front-end and back-end functionality.*
10/2024 – 12/2024	**Optical Character Recognition (OCR) System From Scratch– MATLAB** *Designed and implemented a custom OCR system in MATLAB with a complete image processing pipeline and character recognition using a Random Forest classifier. Developed manual annotation, data augmentation, and feature extraction techniques to achieve accurate text recognition without built-in OCR functions.*
01/2025 – 01/2025	**Netflix Data Analysis** *Conducted an in-depth analysis of Netflix data to uncover trends in content distribution, user preferences, and viewing patterns using data visualization and exploratory data analysis techniques.*

Skills

Programming Languages
: Python, C, C++, Scratch, MATLAB, IT affinity.

Data Science Tools
Pandas, NumPy, Scikit-learn,Random Forest

Database Management
MySQL, SQL Server

Data Structures & Algorithms

Languages
English(C1), German(A2)

Soft Skills
Excellent communication skills

Extracurricular Activities

10/2023 – present	**Head of IEEE Treasury Committee** *Manage budgets and oversee financial planning to ensure effective allocation of resources supporting IEEE's goals and initiatives.*
10/2023 – present	**ICPC Luxor Community – Mentor & Vice Leader** *Provided mentorship to new members, offering guidance and support within the community. As Vice Leader, co-led the annual ICPC training to help students enhance their problem-solving skills and prepare for competitive programming.*