

Sara Hemaia Fouda

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Professional Profile

Detail-oriented individual with a strong academic background in Artificial Intelligence and a solid foundation in mathematics and analytical thinking. Skilled in Python, C++, and data analysis, with hands-on experience in various projects. Excellent communicator with demonstrated teamwork abilities and a fast learning capacity.

Education

Bachelor of Artificial Intelligence

Zagazig National University (ZNU), Egypt

2023 - Present (Expected Graduation: 2027)

- Current GPA: 3.8/4.0 (Distinction)
- Core coursework: Algorithms, Data Structures, Mathematical Foundations of AI

Professional Experience

Data Analysis Intern

Digital Egypt Pioneers Initiative (DEPI) | NEXT Company

2023 - Present

- Implemented data analysis pipeline: collection, cleaning, analysis, and visualization.
- Developed interactive dashboards using Power BI to translate complex datasets into business insights.
- Collaborated in team projects using Python (Pandas, NumPy) and SQL for data processing.

Technical Projects

Retail Analytics Dashboard

- Built end-to-end sales analysis system identifying seasonal trends and product performance.
- Technologies: Python (Pandas, Matplotlib), Power BI, Excel.

Student Management System

- Developed C++ application managing student records with file I/O and OOP principles.
- Implemented inheritance and polymorphism for extensible architecture.

Weather Data Visualization

- Created Python tool fetching API data with interactive visualizations of weather patterns.

Technical Skills

Programming

- Python (Pandas, NumPy, Matplotlib)
- C++ (OOP, Data Structures)

Data Analysis

- Power BI
- Excel
- SQL (Basic)

Other Skills

- Problem Solving
- Mathematics
- Team Collaboration

Additional Information

Languages

- Arabic (Native)
- English (Professional Proficiency)

Certifications

- DEPI Data Analysis Certification (In Progress)

Last updated: January 2024