

# Menna Mohamed Mahmoud Elfuomy

## Programmer & Data Scientist

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## Summary

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Motivated Data Science student with solid programming skills in Python and Java. Experienced in writing clean, efficient code and exploring data through visualization and analysis tools such as Excel and Power BI. Familiar with MySQL for managing and analyzing structured data. Eager to apply technical and analytical skills to real-world projects that combine logic, creativity, and impact. Actively seeking opportunities to apply and enhance my technical skills.

## Education

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Studying at **Faculty of computers and data science** — Data science Department [Alexandria University], Egypt.

Expected Graduation: 2028.

## Technical Skills

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- **Programming Languages:** Python, Java.
- **Data Analysis & Visualization:** Excel, Power BI.
- **Database Management:** MySQL.
- **Tools & Concepts:** Data Cleaning, Data Modeling.
- **Mathematics.**

## Training

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Digital Egypt Pioneers Initiative (DEPI) — Data Analysis Track Ministry of Communications and Information Technology (MCIT), Egypt

- Gained hands-on experience in data cleaning, transformation, and visualization.
- Developed practical skills in Excel and Power BI for analyzing and presenting business insights.
- Learned the fundamentals of data analysis workflows, including data modeling.
- Enhanced understanding of analytical thinking and how to draw meaningful insights from data.

## Academic Projects

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1. **Student & Courses Registration System** (6 members)
  - Implemented using sparse table to manage students and enrolled courses by each student.
  - Developed in Java using Data structures (linked lists).
2. **Simple Flying Booking System** (2 members)
  - Designed to read from/ write to CSV files.
  - Focused on file handling and basic data validation.
3. **Word search solver** (5 members)
  - Using Searching algorithms like dfs.
  - Developed in Python programming language.

**4. Simple library System (3 members)**

- First real programming project by java using switches, loops and if conditions.

**Soft Skills**

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- Teamwork
- Leadership
- Self-confidence
- Problem Solving
- Self-learning
- Time Management

**Languages**

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- Arabic: Native
- English: Upper Intermediate