Omnia Ahmed Ezzat

Senior | Software Engineering Student.

Mobile: +20 1014918288   Email: o18mnia@gmail.com
Qalyubia, Egypt   LinkedIn: https://www.linkedin.com/in/omnia-ezzat-579256253/
                                          GitHub: https://github.com/Omnia-Ezzat/-Omnia-Ahmed

---

Summary:

I am Omnia Ahmed, a Computer Science student at Benha University, specializing in the Artificial Intelligence department. With a strong passion for data science, I am developing expertise in machine learning, data analysis, and AI-driven solutions. My academic journey is centered on leveraging data science techniques to solve complex problems, and I am committed to applying my skills in real-world applications. As a dedicated student, I continually seek opportunities to expand my knowledge in AI and data science.

Education:

Bachelor's degree in computer science & AI – Benha University (Class of 2026)

Courses:

- **Al-Madrasa** Git & GitHub
- **Hakerank** SQL(basics)
- **Maher-tech** Database Fundamentals
- **Coursera** Machine learning: (Regression and Classification)

Projects:

- **Heart Diseases:**

  Heart diseases encompass various conditions affecting heart function, including coronary artery disease, heart failure, and arrhythmias, often driven by risk factors like high blood pressure, cholesterol, smoking, and diabetes; prevention focuses on lifestyle changes and early medical intervention.

- **Customer Deposit:**

  Conducted an in-depth data science project focused on analyzing customer deposit patterns in a banking system. Utilized data mining techniques to extract insights from customer transactions, identifying trends in deposit behavior and potential areas for optimization. Applied machine learning models to predict future deposit patterns and improve financial decision-making. Leveraged Python, Pandas, and SQL for data processing, feature extraction, and model development. This project aimed at providing actionable insights to enhance customer experience and optimize deposit management strategies.

- **Breast cancer:**

  Developed a data science project focused on predicting breast cancer using machine learning techniques. Utilized data preprocessing, feature selection, and classification algorithms such as logistic regression and decision trees to build predictive models. Analyzed medical datasets to identify key patterns and risk factors, improving the accuracy of early detection. Applied Python libraries like Pandas, NumPy, and Scikit-learn for data analysis and model building.

Language and Skills:
- Very good command of both written and spoken English
- Computer skills:
  - Microsoft Office (Word, PowerPoint, Excel)
  - AI Prompts (CHATGPT, Bard)
- Programming languages:
  - C & C++
  - Java
  - Python
- Linux OS
- Machine learning
- Natural processing languages
- Proteus