

# Tarneem Medhat

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Aspiring Machine Learning Engineer | Passionate about AI & Backend Systems

## Summary

Computer Science graduate with Very good, specializing in Artificial Intelligence and Machine Learning. Experienced in system-level design, backend development, and real-time anomaly detection. Strong problem-solving skills with hands-on projects in Python, C++, Java, and .NET. Passionate about applying AI to impactful real-world systems

## Education

B.Sc. Computer Science, Elshorouk Academy (2025) – Graduated with Very Good (B), Graduation Project (A+)

## Projects

NABD – Remote Patient Monitoring System (Graduation Project, 2025)

- Designed an AI system to monitor patients' vital signs (heart rate, oxygen, temperature) via wearable sensors.
- Implemented logistic regression to detect anomalies and generate real-time recommendations.
- Integrated backend using Python, Flask, and MQTT for seamless data communication

## Certifications

- Digital Egypt Pioneers Program – Software Development (.NET Web Developer), MCIT (2024)
- Introduction to Computer Science – EraaSoft Software Solutions and Training (100 hours, 2023)

## Skills & Technologies

**Programming:** C++, Java, C#, Python

**AI & ML:** Logistic Regression, Anomaly Detection, Scikit-learn

**Frameworks & Tools:** Flask, MQTT, Jupyter Notebook, Anaconda, PyCharm, IntelliJ, Visual Studio

**Core Concepts:** Data Structures, Algorithms, Problem-Solving, Real-time Systems

## Soft Skills

- Fast learner, self-motivated, and research-oriented

## Languages

Arabic: Native

English: Very Good (Written & Spoken)