

# TARNEEM MEDHAT

Computer Science Graduate | Aspiring Teaching Assistant

 tarneemhader@gmail.com  +20 110 394 0647  Egypt

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## PROFESSIONAL SUMMARY

Recent Computer Science graduate with Very Good honors and A+ graduation project, specializing in Artificial Intelligence and Machine Learning. Strong foundation in programming (Python, C++, Java, C#) with proven ability to break down complex technical concepts. Self-motivated researcher with excellent communication skills eager to support students' academic success in programming, algorithms, and AI/ML concepts.

## EDUCATION

### Bachelor of Science in Computer Science

2025

*Elshorouk Academy, Egypt*

- Overall Grade: Very Good (B) | Graduation Project: Excellent (A+) | Specialization: AI & Machine Learning

## RELEVANT EXPERIENCE & PROJECTS

### NABD – Remote Patient Monitoring System (Graduation Project)

2025

- Led design and implementation of AI-powered healthcare monitoring system using machine learning (logistic regression)
- Demonstrated ability to explain complex workflows through documentation and presentations
- Integrated Python, Flask, and MQTT showcasing comprehensive understanding of system architecture

### Digital Egypt Pioneers Program – .NET Web Developer

2024

*Ministry of Communications and Information Technology (MCIT)*

- Completed intensive software development training in modern web technologies and C#/NET framework
- Gained experience in collaborative learning environments and peer-to-peer knowledge sharing

### Introduction to Computer Science – EraaSoft

2023

- 100-hour comprehensive training strengthening foundational CS concepts essential for guiding students

## TECHNICAL COMPETENCIES

### Programming Languages

Python, C++, Java, C#

### AI & Machine Learning

Logistic Regression, Anomaly Detection, Scikit-learn, Supervised Learning

### Development Tools & Frameworks

Flask, MQTT, Jupyter Notebook, Anaconda, PyCharm, IntelliJ IDEA, Visual Studio

### Core CS Concepts

Data Structures, Algorithms, OOP, Database Systems, Real-time Systems, Backend Development

## TEACHING-RELEVANT SKILLS

✓ Strong communication (written & verbal)

✓ Self-motivated and research-oriented

- ✓ Patient and approachable
- ✓ Complex concept simplification
- ✓ Fast learner and adaptive thinker
- ✓ Problem-solving mentorship
- ✓ Code review and debugging assistance
- ✓ Collaborative team player

## LANGUAGES & ADDITIONAL STRENGTHS

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**Arabic:** Native    **English:** Very Good (Written & Spoken)

- Able to assist with assignments, lab work, and project development across multiple programming languages
- Comfortable working with diverse learning styles and student skill levels
- Available for office hours, tutoring sessions, and exam preparation support