

AMR A. ELGHAREEB

Artificial Intelligence Student

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ABOUT ME

AI student passionate about building intelligent systems using Python, C++, and early Machine Learning techniques. Currently developing skills in OOP, ML fundamentals, and software development. Always exploring new technologies and applying them in practical projects.

EDUCATION

Kafr El-Sheikh University | 2024- Present

Faculty of Artificial Intelligence - Year 2 Student

Studying Python, C++, OOP, Machine Learning basics, and core computer science foundations.

WORK EXPERIENCE

Self-Learning AI & Robotics Projects | 2022 - Present

AI & Embedded Systems Student

Line-Following Smart Car

Developed a fully functional robot car using sensors and microcontrollers to detect and follow tracks with high accuracy. Implemented control logic and real-time path adjustments.

Smart Assistive T-Shirt for the Visually Impaired

Built an assistive wearable using Raspberry Pi, sensors, and vibration motors.

Features obstacle detection, directional feedback, and camera-based recognition for objects, money, and surroundings.

Arduino Projects (Multiple)

Created various electronic and automation projects using Arduino, sensors, motors, and wireless modules - focusing on practical applications and rapid prototyping.

Raspberry Pi Projects

Worked on Pi-based systems combining Python + hardware control + Computer Vision.

Experience connecting sensors, actuators, and building mini embedded AI systems.

SKILLS

- Python
- C++
- Problem Solving
- Arduino
- Machine Learning (Beginner)
- OOP Basics
- HTML
- CSS
- JavaScript