Abdelrhman Saeed

abdosaaed749@gmail.com | +201009814414 | LinkedIn: Abdelrhman Saeed Elsayed | GitHub: Samspei01

EDUCATION

Arab Academy for Science, Technology, and Maritime   **Alexandria, Egypt**
Bachelors in Artificial Intelligence   ***Expected Graduation, Aug 2025***

- **Concentrations**: Robotics and Intelligent systems
- **GPA**: Very Good
- **Related Coursework**: Data Structures & Algorithms, Object-Oriented Programming, Machine Learning, Deep Learning (DL), Reinforcement Learning, Computer Vision, NLP, HPC, Cloud Computing, Image Processing, Robotics

EXPERIENCE

ITI   **Alexandria, Egypt**
Machine Learning Course   *Aug 2024 - Sep 2024*

- ∗ Completed a 60-hour machine learning course, gaining proficiency in supervised and unsupervised learning techniques through practical projects.

Competitive Programmer(ICPC)   **Alexandria, Egypt**
Contestant   *Jun 2023 - Jun 2024*

- ∗ Competed in the CPC (Collegiate Programming Contest) twice and was a finalist in both the Egypt Collegiate Programming Contest (ECPC) and the Arab Collegiate Programming Contest (ACPC). Achieved first place in my college during both ECPC finals and secured the first solve in the second ECPC participation.

ROBOCUP@HOME EDU Workshop   **Alexandria, Egypt**
Role: AI Robotics Specialist   *Feb 2023 - March 2023*

- ∗ Successfully participated in the workshop, passing a competitive selection test. Enhanced skills in robotics, autonomous systems, and computer vision. Gained hands-on experience programming and operating the Jupiter robot using **C++** and **ROS (Robot Operating System)**.
- ∗ Applied computer vision techniques to enable the robot to interpret and interact with its environment, significantly improving its capabilities and performance.

PROJECTS

Astro-AI-Translator   **April 2024 – May 2024**

- ∗ Flutter mobile application designed to perform multiple language processing tasks, including translation, speech-to-text, text-to-speech, and text detection using a camera or gallery. It's built for users who need a versatile language tool on their mobile devices. The app uses pre-trained models from flutter.dev, integrating several functionalities into a single interface designed in Figma.

CNN using C   **Oct 2023 – Dec 2023**

- ∗ Built a CNN for MNIST detection using C, resulting in a 94% reduction in computational time through algorithm optimization using CUDA and MPI.

Queue-based task processing system using multithreading   **Sep 2022 – Oct 2022**

- ∗ simulates a queue-based task processing system using multithreading in C++. The program enqueues tasks with random service times and processes them concurrently using two worker threads.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, Dart, JavaScript, HTML/CSS
Platforms : Arduino, AWS, Linux, Windows
Tools and Libraries : TensorFlow, Pandas, Matplotlib, NumPy, OpenCV, Scikit-learn, Node.js, Pug, ROS, MATLAB, Flask, Git, GitHub , Eclipse, VS Code, Docker, Visual Studio, Clion, Flutter, MySQL