Mohamed Ibrahim Ahmed Jumaa

Mechatronics Engineer

Egypt, El Dakahlia, Mansoura. | +201068136828 | moibrahim2813@gmail.com

Skills

soft

- Problem Solving
- Teamwork & Collaboration
- Time Management
- Good Communication Skills
- Quick Learner
- Attention to Detail
- Supervision and leadership

Technical

- Programming (C, C++, Python, Matlab, Java)
- Solidworks, Fusion360
- PLC Programming (Siemens, Delta)
- Classic Control Systems
- Microsoft Office (Excel, Word, PowerPoint)
- Adobe Premiere
- Sensors & Actuators

Education

Bachelor's Degree in Mechatronics Engineering Horus University **(2025)**
GPA: 3.86

Experience

Head of Web Development Sector, GDSC **July(2023)**

- Led and managed the web development team to deliver projects and initiatives.
- Organized coding sessions and guided members in modern web technologies.
- Coordinated with other committees to integrate web solutions for events and activities.
- Mentored junior members to improve their technical and teamwork skills.

Automation Diploma, HA Consulting group **October(2023)**

- Electrical Classic Control
- Plc Basic Programming
- Electric Motor & Drive Programming

Assistant Committee Member, IEEE **July(2024)**

- Supported in organizing technical events and workshops.
- Assisted in coordinating committee activities and student engagement.
- Contributed to planning and execution of community initiatives.

Trainee Al Watanya Car Services **August(2024)**

- Al Watanya Car Services is a specialized company offering automotive services to customers.
- As a trainee at Al Watanya Car Services, your role primarily involves performing routine maintenance tasks on vehicles, including oil changes, tire rotations, and brake inspections.

Cyber Security Diploma, Digital Fortress EG **October(2024)**

- Certified Ethical Hacking
- Certified Network Defender
- Computer Hacking forensic Investigator

---

languages

- Arabic (Native).
- English (very good).

Projects

Graduation Project

Unmanned Aquatic Robot

Role: Team Leader & Main Developer

- Led a team of 14 members to design and implement an unmanned surface rescue boat.
- Managed the overall project planning, task allocation, and progress tracking.
- Designed the mechanical structure and ensured stability for real-world aquatic conditions.
- Integrated sensors and wireless remote control systems for navigation, monitoring, and communication.
- Supervised prototyping, troubleshooting, and final system deployment.
- Technologies used: ESP32, Arduino, Python, Wireless Remote Control, sensors.
- **Grade**: A+

Project 1

AI Face Recognition

- Built a face detection and recognition system using Python and OpenCV.
- Implemented real-time recognition with dlib/face_recognition library.
- Integrated with hardware ESP32-CAM for live camera input
- Technologies used: Python, OpenCV, dlib, face_recognition, NumPy, camera module, product database.
- **Grade**: A