

OMER HUSSIEN

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Electrical and Electronics Engineer with expertise in AI, robotics, and software development. Skilled in Python, SQL, PyTorch, React.js, and MATLAB, with hands-on experience in machine learning, robotics programming, and web development. Strong problem-solving abilities, leadership skills, and a passion for applying technical knowledge to real-world challenges. Eager to contribute to innovative projects in AI, robotics, and technology development.

EXPERIENCE / INTERNSHIPS

Fixed Assets and Project Support

Oct 2024 - Present

Prodome Consulting, Abu Dhabi, UAE

- Assisted in inventory tracking and documentation of fixed assets.
- Updated and maintained accurate asset records in the system.
- Assisted with data entry, reporting, and project coordination.
- Supported the team in identifying discrepancies and resolving issues.

Technical Support

Aug 2024-Oct 2024

Excellence and Success Center, Sharjah, UAE

- Provided technical assistance for hardware, software, and network issues.
- Troubleshoot employee problems and guided them through solutions.
- Installed and configured software, updates, and devices.

Software Development Internship

June 2023 - Dec 2023

Comtech Ltd., Famagusta, Cyprus.

- Successfully completed a 6-month internship as part of my university program, gaining hands-on experience in a dynamic tech environment.
- Played an integral role in multiple front-end development projects, collaborating with cross-functional teams to deliver high-quality solutions.
- Utilized JavaScript, React, CSS, and HTML to create dynamic, responsive, and user-friendly web interfaces that enhanced user experience.
- Integrated APIs to fetch and display real-time data, ensuring seamless functionality and improving application performance.

EDUCATION

Bachelor of Science (B.S.) – Electrical and Electronic Engineering

July/2024

[Eastern Mediterranean University](#), Cyprus, Famagusta

CGPA of **3.32 out of 4** (Honor Degree)

SKILLS

- | | | |
|--------------------|-----------------|--------------------------|
| • Microsoft Office | • JavaScript | • n8n |
| • Python | • Generative AI | • Neural Networks |
| • C++, C | • Periscope | • Unsupervised Learning |
| • HTML | • MATLAB | • Supervised Learning |
| • PyTorch | • React.js | • OpenCV |
| • TensorFlow | • AzureML | • Reinforcement Learning |

CERTIFICATES

Microsoft AI & ML Engineering- Coursera

2025

Completed a comprehensive program covering key AI and machine learning concepts, including supervised and unsupervised learning, model evaluation, NLP, and deep learning. Gained hands-on experience with tools such as Azure Machine Learning, PyTorch, and responsible AI frameworks to build and deploy scalable ML solutions.

IBM AI Developer Professional Certificate – Coursera

2025

Completed a comprehensive AI development program covering machine learning, deep learning, and model deployment using tools like Python, TensorFlow, PyTorch, and IBM Watson. Gained practical experience in building and deploying real-world AI solutions.

Modern Robotics: Course 1 – Foundations of Robot Motion – Northwestern University (Coursera) 2025

Completed a foundational robotics course focused on robot motion, covering kinematics, configuration space, and motion representation. Gained practical skills through programming and problem-solving exercises.

EXTRACURRICULAR ACTIVITIES

Electrical and Electronics Engineering Students' Exhibition (EEESE) - University of Khartoum
2018-2019

Served as Vice President of Public Relations for EEESE at the University of Khartoum, leading communication efforts, managing media outreach, and boosting event visibility and engagement among students, faculty, and industry professionals.

VP of Sudanese student society- Eastern Mediterranean University

2023-2024

Served as Vice President of a student society representing over 500 Sudanese students on campus. Organized cultural, social, and academic events, advocated for student needs, and strengthened the Sudanese student community

PROJECTS

- **Gesture controlled wheelchair (Graduation Project)**

Designed and built a Wheelchair controlled by facial gestures, enhancing innovation in assistive technology.

- **Library Book Tracking Website**

This React.js-based website tracks library books, displaying availability, borrowing, and return statuses in real-time. It features a user-friendly interface, search and filter options, and aims to streamline library management with efficient and intuitive design.

- **Object Tracking Website**

This project uses Google Maps API to track tagged items, showing real-time and past locations on an interactive map. Users can manage multiple tags, view detailed location data, and utilize features like zoom and history tracking for personal or business needs.

LANGUAGES

- **ARABIC:** Native
- **ENGLISH:** Professional (IELTS score: 7/9)