Mohamed Assem Adel Mohamed

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CAREER OBJECTIVE

Biomedical Engineering student seeking internships and entry-level opportunities in clinical engineering, medical imaging, and AI-driven healthcare applications, with strong interest in technical support, troubleshooting, and data-driven systems.

EDUCATION

Bachelor of Biomedical Engineering   **09/2021 – 10/2026**
Faculty of Engineering, Helwan University, Cairo, Egypt   *Grade: 80% (Very Good)*

PROFESSIONAL EXPERIENCE & INTERNSHIPS

Vulnerability Assessment & Penetration Testing Trainee   **12/2025 – Present**
Digital Egypt Pioneers Initiative (DEPI), Remote / Giza
- Received hands-on training in vulnerability assessment and penetration testing frameworks.
- Performed reconnaissance, scanning, and vulnerability analysis for network and web applications.
- Practiced ethical hacking phases including gaining access, maintaining access, and reporting.
- Learned professional documentation and risk assessment techniques.
- Collaborated in simulated real-world cybersecurity testing projects.

Retention Specialist   **02/2024 – 04/2024**
Concentrix, Giza, Egypt
- Retained customers by offering tailored promotions and service plan adjustments.
- Resolved service issues to reduce cancellation rates.
- Processed cancellations according to company policies.
- Achieved daily call and retention targets in a high-volume environment.

Customer Service Engineer Intern   **09/2025 – 09/2025**
Siemens Healthineers, Cairo, Egypt
- Attended CT and MR imaging lectures by specialized engineers.
- Assisted in installation, maintenance, and troubleshooting of imaging equipment.

Computer Vision & Computational Algorithms Trainee   **07/2025 – 09/2025**
National Academy of Information Technology for Persons with Disabilities (NAID), Cairo, Egypt
- Participated in AI and assistive technology development programs.
- Developed applications supporting rehabilitation and accessibility.
- Ranked top 10 among 47 participating teams.

Clinical Engineer Intern   **10/2024 – 11/2024**
Dar Al Fouad Hospital, Giza, Egypt
- Performed preventive maintenance on medical equipment.
- Managed work order documentation and safety inspections.

Field Service Engineer Intern   **07/2024 – 08/2024**
Alkan Medical, Cairo, Egypt
- Assisted in installation, maintenance, and repair of ultrasound systems.
- Supported troubleshooting and quality assurance procedures.

VOLUNTEERING

Course Instructor   **12/2023 – Present**

- Developed learning materials for Data Structures and Algorithms using C++.
- Provided assignment solutions and academic support.
- Supported courses in Databases and MATLAB programming.

PROJECTS

Stress Detection Using Deep Learning *(Python)*   **03/2025 – 05/2025**
- Built a 1D CNN model using WESAD physiological signals.
- Applied segmentation-based preprocessing for stress classification.

ECG Monitor *(Arduino)*   **04/2023**
- Designed ECG monitoring system using AD8232 sensor and Arduino Uno.
- Processed and visualized signals for biomedical analysis.

SKILLS

Programming: C++, Python, MATLAB, SQL
Software: Microsoft Office (Excel, Word, PowerPoint), Adobe (Photoshop, Premiere, Audition)
Soft Skills: Communication, Presentation

LANGUAGES

Arabic (Native)
English (C1)