AHMED BASEEM

+964 770 2030 740

Az Zubayr, Basra

ahmedalkhafajy85@gmail.com

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ABOUT ME

Mechatronics Engineering student at the University of Basrah with a strong interest in robotics, control systems, and practical electronics. Experienced in applying academic concepts to hands-on projects, including PLC programming, basic circuit troubleshooting, and hardware integration. Eager to expand technical expertise through challenging engineering projects.

EDUCATION

- Bachelor of Science in Mechatronics Engineering – University of Basrah (2024 – Present)
- Preparatory School Certificate (High School) – Grade: 91.14% (2023 – 2024)

SOME OF ACADEMIC PROJECTS

- **Humanoid AI Assistant (ARIA):** Designed and developed a humanoid assistant robot integrating AI speech recognition and real-time command execution for interactive automated responses.
- **Biomechanical Human Arm Simulator:** Co-developed a multi-DOF human arm simulator aimed at replicating natural range of motion and joint kinematics for bio-robotic applications.
- **Autonomous Delivery Robot:** Engineered a medium-range autonomous delivery robot equipped with AI-based navigation and assistance capabilities for internal transport.

WORK EXPERIENCE

- Electronics & HVAC Systems Repair Technician | Various Workshops, Basra
- Diagnosed and repaired circuit defects in home cooling equipment and PCB modules for HVAC systems.
- Maintained, overhauled, and restored complex electrical power systems and consumer electronics.
- Applied circuit testing tools, soldering technique, and fault-analysis protocols to ensure reliable hardware functionality.

TRAINING & CERTIFICATIONS

- Siemens PLC Programming & Industrial Automation
- 3D Printing & CNC Machining Operations
- Fundamentals of Artificial Intelligence & Machine Learning Algorithms
- Strategic Planning in the AI Age - HP LIFE
- What Is Generative AI? - LinkedIn
- Introduction to Responsible AI - Google

SKILLS

- Programming & Software: Python, SolidWorks, PCB Design Software (e.g., Proteus), MS Office (Word, Excel).
- Hardware & Automation: Siemens PLC Programming, 3D Printing, CNC Machining, Circuit Troubleshooting & Soldering.
- Graphic Design: Logo & Symbol Design.
- Languages: Arabic (Native), English (B1 / Intermediate).