ENG. ABDULLAH ALSHENAIFI

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PROFESSIONAL SUMMARY

An ambitious Electronics Engineer and IEEE Professional Member with a strong foundation in IoT, robotics, and control systems. Currently serving as an Electronics Engineer at the National Company for Glass Industries (Zoujaj), specializing in troubleshooting, automation, and industrial systems optimization. Formerly a lecturer at Princess Nourah bint Abdulrahman University, delivering practical training in Arduino programming, embedded systems, and mechatronics integration. Co-owner of Alamat Robotics, where advanced electronics and PCB designs were developed for robotics and 3D-printing projects. Experienced in technical instruction, product prototyping, and applied research, and professionally accredited by the Saudi Council of Engineers (SEC).

WORK HISTORY

Electronics Engineer, 12/2024 - Current
The National Company for Glass Industries - Riyadh

Lecturer, 01/2025 - 06/2025
Princess Nourah Bint Abdulrahman University - Riyadh

Instructor, 07/2024 - 08/2024
Tuwaiq Academy - Riyadh

SKILLS

- PCB Design / Assembly
- Soldering & Desoldering SMT/THT
- Technical Teaching & Training
- Embedded Systems & IoT
- Electronics Design & Troubleshooting
- 3D Modeling & Printing

EDUCATION

Bachelor's degree: Electronics and Control Systems Engineering, 09/2021 - 11/2023
Technical College of Riyadh

Diploma: Industrial Electronics and Control, 09/2018 - 04/2021
Technical College of Riyadh

LANGUAGES

Arabic
Native

English
Advanced

CERTIFICATIONS AND LICENSES

- **3D Printing,** by Tuwaiq Academy. (Oct 2024).
- **Internet of Things (IoT),** by TECHEAD. (May 2024).
- **Engineering Solutions Design and Manufacturing Bootcamp,** by Tuwaiq Academy. (Jan 2024).
- **Full Stack Engineer,** by Smart Methods. (Aug 2021).

PROJECTS

- **<u>IOT Water Monitoring System</u>,** for shared apartments and houses.
- **<u>Custom Robotics Mainboard PCB</u>,** Full schematic & layout on GitHub. ↗
- **Smart Safety Helmet,** with Fall Detection and Temperature Monitoring.
- **Smart Room Project for People with Disabilities,** controlled by a smartphone using IoT.
- **IOT Smart Parking System,** for real-time monitoring and management of parking spaces.

VOLUNTEER EXPERIENCE

- **Supervisor** at Volunteer and Social Responsibilities Unit of RCT (+500 volunteer hours).
- **Team Leader** of Technical Talent Center of RCT (+500 volunteer hours).
- **Electronics Engineer** at Tawasal Association for Assistive Technologies.
- **Instructor** at Talent Discovery & Development Association "Raed".
- **Volunteer** at the Optometry Club of Students' Affairs Unit of KSU (+100 volunteer hours).

MEMBERSHIPS

- **<u>Alamat Robotics</u>** - Co-owner
- **Institute of Electrical and Electronics Engineers (IEEE)** – Professional Member
- **Saudi Council of Engineers (SEC)** - Electronics Engineering Technology
- **Internet of Things (IoT) for Arab** - Associate Member