

Qassem Alobaidi

Electrical Engineering

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Objective

Electrical Engineer graduate committed to timely delivery and operational efficiency. I apply structured analysis to solve technical problems and improve task performance. I am seeking a challenging entry-level position where I can immediately apply my academic skills, develop professionally, and contribute to achieving the company's strategic goals.

Education

King Abdul-Aziz University

Bachelor of Electrical Engineering (Power & Machines) 2026

Project

Senior Design Project Smart Hybrid Power Management System [SPD](#)

- Engineered a multi-source hybrid power system that integrates solar, wind, and battery storage to ensure a continuous and reliable energy supply through automated source switching
- Developed an intelligent control logic using Arduino and voltage sensors to dynamically manage power flow and battery charging cycles based on real-time generation levels
- Implemented high-efficiency power electronics, including MPPT controllers for optimized solar harvesting and AC/DC conversion systems with integrated overvoltage/overcurrent protection

Training

Co-op Training Experience | NOMAC [Shuaibah 2.66GW PV IPP]

- Performed daily monitoring & analysis of the 2.66GW plant using SCADA & SAS systems
- Supported maintenance team in PM and visual inspections in PV areas and substations
- Developed concise reports to analyze plant data and improve task efficiency

Skills

- **Soft Skills:** Planning, Problem Solving, Time Management, Continuous Learning, Presentation Skills, Teamwork
- **Professional Skills:** Power System Analysis, Single-Line Diagram Interpretation
- **Technical Skills:** SCADA & SAS Systems, Microsoft Office

Languages

- **English Language:** Professional Proficiency
- **Arabic Language:** Native