

Sulaiman Mousa Al-Omari

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BIOGRAPHY

A recent Electrical Engineering graduate with a strong foundation in electrical circuit design and programming fundamentals. Possesses good analytical skills and problem-solving abilities, with a focus on precision and innovative solutions. Eager to apply academic knowledge and contribute to the development and improvement of electrical systems for enhanced efficiency and reliability.

EDUCATION

Qualification: B.Sc
Major: Electrical Engineering
Education: Al-Baha University
Graduation Year: 2024
GPA: 3.69/4

EXPERIENCE

Saudi Electricity Company - Summer Training June 2023 - August 2023

- Conducted preventive maintenance and fault analysis with FLUKE devices and Smart View software.
- Used GIS and SAP for data management; designed electrical schematics in Visio.
- Assisted in maintenance reports, gaining insights into electrical safety and distribution systems.

Activity

Fire Alarm System Design Using Arduino May 2022 - January 2024

- Developed a fire alarm system programmed with Arduino to enhance safety.
- Integrated a 900SIM module to send text messages for real-time alerts.
- Provided immediate notifications to ensure rapid response and improve safety protocols.

Rectifier Design

- Developed a circuit to convert AC to DC power.
- Improved the efficiency of electrical systems.
- Applied the circuit in various applications to enhance reliability.

PROJECTS

Solar Panel System Design for a Commercial Building March 2023 - November 2024

- Used HOMER software to develop an independent energy system for a commercial building.
- Optimized energy production and consumption for sustainability and efficiency.
- Reduced energy costs while enhancing reliance on renewable energy sources.

Final Project - Microgrid Design

- Integrated three energy sources: photovoltaic (PV) panels, wind turbines, and a diesel generator as backup.
- Focused on energy management and ensuring system reliability.
- Delivered innovative solutions for renewable energy integration and sustainability.

SKILLS

Technical Skills:

- MATLAB, AutoCAD, HOMER
- Microsoft Office

Project Management Skills:

- Cross-functional collaboration
- Technical documentation
- Time management and prioritization

Engineering Skills:

- Electrical circuit design and analysis
- Microgrid and renewable energy integration
- Troubleshooting and fault analysis

CERTIFICATE

Leadership- Feb 2023

Electric Power Systems - March 2023

Renewable Energy Specialization – University of Colorado Boulder-Oct 2024

Included : Renewable Energy Technology Fundamentals, Renewable Power and Electricity Systems

Renewable Energy Projects, Renewable Energy Futures

Professional Accreditation Certificate - Saudi Council of Engineers, Electrical Engineering (Membership Start Date: 12/11/2024)

LANGUAGES

Arabic
English