



Profile

Electrical Engineering student specializing in Power and Machines. Passionate about power systems, renewable energy, and electrical machine design. Strong analytical and problem-solving skills with hands-on experience in power system analysis and electrical circuit design.

Skills and Courses

- Power system fundamentals and load calculations
- Renewable energy basics (solar and wind systems)
- Electrical circuit analysis and fault detection
- Proficiency in MATLAB and Python for engineering simulation
- Transformers and electrical machines fundamentals
- Electrical protection system basics

Project

Solar Power Mobile Charging Station

- Designed and developed a portable charging station powered by renewable energy.
- Integrated solar panels and battery storage to provide a sustainable and mobile power solution.
- Designed the power management system to ensure efficient energy conversion and storage.
- Implemented a microcontroller-based control system for power regulation.
- Ensured safety compliance with electrical protection measures and fault detection algorithms.

Languages

- Arabic
- English (Advanced)



Education

King Abdulaziz University | Jeddah

Bachelor of Electrical Engineering
(Power & Machines)

Courses

Python

Matlab

Excel

Power Point

STEP