

Mahdi Abdulraheem Aljurfi

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Objective

I am a recent graduate electrical engineer eager to leverage my knowledge of power, electronics, communications, and control engineering to deliver innovative solutions and enhance efficiency in a forward-thinking organization. I am passionate about contributing to developing cutting-edge technologies and sustainable systems.

Education

Taibah University

Bachelor of Science in Electrical Engineering | Saudi Arabia | January 2025

Key Courses Include: Power Analysis, Electrical Machines, Electronics, Instrumentation and Measurements, Communications, Signals and Systems, and Control Systems.

Advanced Courses Include: Introduction to Nanotechnology, Data Communication Networks, Semiconductor Devices, and State Variable Control Systems.

Experiences

- **Professional Training**
 - **Saudi Electricity Company** | July 4, 2023 – August 31, 2023 | Internship Trainee at Saudi Electricity Company, gaining practical experience in maintenance, smart meters, and protection, while developing technical, analytical, and teamwork skills.
- **Project Experience**
 - Capstone Project: Design And Build an Agricultural Drone.
 - Multi-Junction Solar Cells: Presented a comprehensive project on the highest efficiency achieved in solar cells.
 - Silicon Carbide (SiC) Power MOSFET: Delivered an informative presentation on the advantages, applications, and performance improvements of SiC-based power MOSFETs compared to traditional silicon devices
 - Modulation and Demodulation System using MATLAB.
 - Car Parking Regulation Device: Designed a system to regulate parking efficiency

Membership

Professional Accreditation and Membership | Saudi Council of Engineers | Membership No: 1117194.

Courses & Certificates

- **NSC 30-Hour Construction Industry Compliance Guidelines Course** – National Safety Council NSC (Jan 2025).
- **NSC OSHA Standards Safety Training:** Completed (33 Hours) – Al-Taqniah Al-Mumayzah Institute, TVTC Accredited.
- **Advanced Skills in Excel:** Completed (20 Hours) – Center for Professional Development and Educational Supervision, Ministry of Education, Saudi Arabia.
- **Data Analysis Using Power BI Workshop:** Completed – College of Computers and Information Technology, Taif University (Online via Maharat Platform, Mar 2025).
- **Arduino Foundation Bootcamp:** Completed (6 Hours) – IEEE Club, Taibah University
- **Intensive English Proficiency Course:** Completed (180 Hours) – Direct English (Levels 1-2-3).
- **Various Technical Courses in Drones, Renewable Energy & Solar Cells:** Completed (15+ Hours) – Udemy.

Competitions and Honors

- **Won second place in the TAIBAH THON 2 competition** for graduation projects.
- Participation in the **Meken Exhibition** for Distinguished Projects.

Skills & ability

Soft Skills:

- Time Management.
- Problem Solving.
- Communication
- Collaboration and Teamwork
- Diligence in self-development

Hard Skills:

- MATLAB Proficiency
- Designing electronic circuits (Circuit Lab & Multisim)
- Embedded Systems Integration
- Drone building and designing
- Safety principle
- Proficiency in using office programs such as Word, PowerPoint, and Excel.

Language:

- Arabic
- English