

SHAMRAIZ ALI

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ELECTRICAL ENGINEER

SUMMARY

An enthusiastic Electrical Engineer skilled in programming, circuit design, power systems, embedded systems and artificial intelligence with hands-on expertise in industry-standard tools MATLAB/Simulink, Proteus, AutoCAD and LTspice. Moreover specialized coursework in renewable energy systems, signal processing, artificial intelligence controls and automation. Known for strong problem-solving abilities, adaptability to new technologies, and effective collaboration within cross-functional teams.

WORK EXPERIENCE

DG Cement Power Plant Intern

- Engaging in an internship at DG Cement Power Plant provided an invaluable opportunity to learn about electrical engineering. This experience allowed for the application of theoretical knowledge in real-world scenarios and applied to ongoing power plants.
- Collaborated with seasoned professionals facilitated the development of essential skills in project management and team dynamics.
- Contributed to site visits, gaining hands-on experience in electrical practices and safety protocols. Supported the coordination of team activities, enhancing communication and teamwork.

SKILLS

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|----------------------|----------------------------------|
| • C/C++ | • Communication and Presentation |
| • PCB Design | • Decision Making |
| • Circuit Design | • Time Management |
| • Proteus | • Teamwork and Leadership |
| • Matlab/Simulink | • Flexible and Adaptive |
| • LTspice | • Critical Thinking |
| • Numerical Analysis | • Problem Solving |

EDUCATION

COMSATS University, Islamabad

Bachelor's of Electrical Engineering

Societies and Activities

- CUI Tech Summit, Chapter 2
- IEEE RAS, CUI
- IEE PES, CUI
- COMSATS Student's Adventure Society
- CUI Student Club

Circuit Analysis, Digital Signals Processing, Communication System, Artificial Intelligence and Control Systems

Kallar Kahar Science College

Intermediate: Pre-Engineering Physics, Chemistry, Maths

Fauji Foundation School Kallar Kahar

Matric: Science Computer, Physics, Chemistry

TECHNICAL PROJECTS

- **Solar Panel Cleaning Robot (FYP)**

- Bionic Arm
- Electronic First aid Kit
- 4 Bits Traffic signal
- Line Following Robot
- Sumo Robot

WORKSHOPS

- PCB Design
- Power Electronics