Majid Ali
Electrical Engineer

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Chowk Azam, Layyah, Pakistan 📍

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As a highly enthusiastic electrical engineer, I am deeply committed to translating theoretical knowledge into practical applications. With a strong background in diverse projects, I possess a passion for designing and developing cutting-edge electrical systems

EDUCATION

BS Electrical Engineering
Namal University, Mianwali
2020 - Present

FSc (Pre-Engineering)
Govt. College, Chowk Azam(Layyah)
2018 - 2020

Matriculation (Science Group)
Millat Public School, Chowk Azam(Layyah)
2016 - 2018

WORK EXPERIENCE

Ex: IEEE Marketing Director
IEEE

04/2021 - 02/2022
IEEE Namal Student Branch

Achievements/Tasks
- As the marketing head for IEEE at Namal University, I promote the organization's activities.
- Build relationships and increase membership through effective marketing strategies and campaigns.

Electrical Engineer Assistant
Garibson's Rice Mills

03/2023 - 04/2023   *(Pvt) Ltd , District Layyah*
(Pvt) Ltd , District Layyah

Achievements/Tasks
- I worked at Garibson's Rice Mills as part of a team responsible for the installation of a 4MW solar panel system.
- My role involved working closely with an electrical engineer to design and implement the electrical components of the system, ensuring its safety and compliance with all relevant codes and regulations
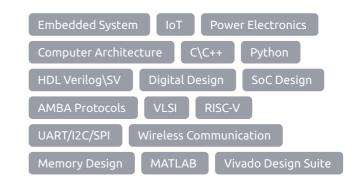
Lab Engineer Assistant
Analog and Digital Circuits Lab

07/2022 - 11/2022
Namal University, Mianwali

Achievements/Tasks
- Collaborated with a lab engineer to ensure the smooth functioning of equipment such as power supply, oscilloscope, functional generator, and digital multimeter.
- Ensured the availability of necessary components like resistors, capacitors, and ICs, minimizing any potential issues for students during lab sessions

SKILLS

Embedded System | IoT | Power Electronics
Computer Architecture | C\C++ | Python
HDL Verilog\SV | Digital Design | SoC Design
AMBA Protocols | VLSI | RISC-V
UART/I2C/SPI | Wireless Communication
Memory Design | MATLAB | Vivado Design Suite

PERSONAL PROJECTS

32-bit Arithmetic Logic Unit(ALU) (12/2021)

RISC-V Single Cycle/Pipelined Processor Design (10/2023)

Integration and Verification of L1 Data Cache in SweRV EH-1 Core (10/2023 - Present)

ORGANIZATIONS

IEEE (Namal Student Branch) (04/2021 - 02/2022)

NSSI(Namal society for social impact) (03/2022 - 06/2022)

CERTIFICATES

Industrial Internet Of Things(IIoT) (08/2021)
Namal University

RTL Design and Verification (07/2022 - 09/2022)
Center of Excellence and Skills Development

Verilog HDL Fundamentals for Digital Design and Verification (04/2023)
Udemy

LANGUAGES

English
Full Professional Proficiency

Urdu
Full Professional Proficiency

INTERESTS

Electronics | Digital Electronics | Youtuber