



MUHAMMAD ASIM NAVEED

Electrical Engineer

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Electrical engineering student who is ambitious and committed, has a good academic background, and is passionate about innovation. Posses outstanding technical proficiency and a thorough knowledge of electrical engineering fundamentals. devoted to seeking industry excellence and ongoing knowledge enhancement in order to contribute to cutting-edge initiatives. proactive learner who naturally adapts to new technology and does well in fast-paced environments.

SKILLS

- Circuit analysis and design
- Digital and analog electronics
- Power systems and distribution
- Signal processing
- Embedded Systems
- Programming languages (C/C++, Assembly, MATLAB, Verilog/SV)
- Project planning and execution
- Technical documentation and report writing
- Teamwork and Management
- Good Communication

SOFTWARES

- Proteus/PSpice
- MATLAB/Simulink
- AutoCAD
- ETAP/PowerWorldSimulater
- ModelSim
- Cisco Packet Tracer
- Microchip Studio
- Icarus Verilog
- Verilator
- GCC Tool Chain

LANGUAGES

- English (Conversational)
- Urdu (Fluent)
- Punjabi (Fluent)

HOBBIES AND INTERESTS

- Exploring Technology
- Video Editing
- Cricket
- Badminton
- Gym

EDUCATION

- **BS Electrical Engineering** 2020-2024 (In progress)
Namal University Mianwali
Current CGPA: 3.23/4.0
- **FSc Pre-Engineering** 2018-2020
Division Public School & College Sahiwal
Marks: 945/1100
- **Matric (Science)** 2016-2018
Govt Comprehensive School, Sahiwal
Marks: 1044/1100

PROJECTS

- **4-bit Arithmetic Logic Unit**
Implemented on both gate level and software(Modelsim), Digital logic Design
- **Home Automation System**
Designed a small Home Automation using different sensors in Electronic Devices and Circuit
- **Communication Network System**
I have built a communication system of our university by using Cisco packet tracer software.
- **Electronic Incubator using microcontroller**
Designed an incubator system using ATmega328p with DHT11 sensor, in C language
- **University Management System in C++**
Used concepts of OOP and Data structure and Algorithm
- **Robot in Control system**
I have built a LEGO robot (Lego Mindstorms 2.0) by using PID controller
- **RISC-V Processor Design in Verilog**
I have design a Single Cycle and Pipilined RISC V Processor in Verilog
- **Final Year Project (In Progress)**
Adding Bit manipulation extension in SWErv core of RISC V

CO-CURRICULAR ACTIVITIES

- **Director Event Managemet** Nov 2022 - March 2023
Center of Excellence and Skills Development Namal
Played Role as Event manager in this society and also managed various events
- **General Secretary** Dec, 2022 - April 2023
Namal Sports and Adventure Society

CERTIFICATES & ACHIEVEMENTS

- **100% Merit Scholarship** 2020-2024
BS Electrical Engineering, Namal University Mianwali
- **Certificate of Apperciation** April-2023
Center of Excellence and Skills Development Namal