

Muhammad Jamshaid Abbas

Electrical Engineer

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Enthusiastic and motivated Electrical Engineer with expertise in microcontrollers, PCB design, and FPGA programming, seeking to apply technical skills in designing cutting-edge electronic systems.

EDUCATION

BS Electrical Engineering

NAMAL University Mianwali

11/2021 - Present

3.32

Courses

- Computer Architecture
- Embedded Systems
- Digital Logic Design
- Data Structures & Algorithms

F.Sc Pre-Engineering

Daanish School Hasilpur District Bahawalpur

08/2019 - 08/2021

A

Courses

- MATHEMATICS
- CHEMISTRY
- PHYSICS

WORK EXPERIENCE

volunteer for Flood drive

NAMAL Education Foundation and Namal Society for Social Impact

09/2021 - 09/2022

RANJANPUR, PAKISTAN

Achievements/Tasks

- Help the Flood effected people trough providing food items and some other routine use things

Finance Manager

IEEE Society NSB

12/2021 - 08/2022

Mianwali, Pakistan

Achievements/Tasks

- My task is to manage all event finance data

Religious Wing Co-Head

NAMAL Society For Social Impact

10/2021 - 08/2022

Mianwali, Pakistan

Achievements/Tasks

- Organized and led events/conferences promoting moral developmen

SKILLS

Processor Design

Problem Solving

Project Management

ETAP & Orcad

Design, Simulation and analysis Of Circuit

PERSONAL PROJECTS

Design and implemented a variable gain audio amplifier circuit using transistors

- Audio Input Amplifier: Built a circuit to amplify audio signals from a device (via audio jack) and drive a speaker, analyzed for impedance, gain, frequency response, and power consumption

Design and Implementation of RISC-V Processor for AES Algorithm

- Developed a and Integrate AES Algorithm in PicoRV32 RISC-V processor optimized for AES algorithm, with verification tasks using Verilog.

Control Speed of DC Motor Using AVR ATmega328p

- Implemented PWM control in a DC motor driver circuit to regulate speed using pulse width variation

Namal University Power Load Analysis and Management

- Analyzed power load for Namal University's main buildings, proposed a load management plan, and explored alternative solutions for insufficient power during peak hours

Line Follower and obstacle detection Robot

- Designed and implemented a line follower and obstacle detection robot using AVR microcontroller.

Designed and Fabricated a Printed Circuit Board (PCB) using Proteus

- Designed and fabricated a functional PCB using design software and manufacturing processes.

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency

Saraiki
Native or Bilingual Proficiency

Punjabi
Professional Working Proficiency

INTERESTS

Problem-solving

circuit design

Programming