

PERSONAL INFORMATION

Name: Sadia Mir

National ID: 37404-4793333-6

Nationality: Pakistan

Gender: Female

DOB: 19/02/2002

CONTACT

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no.206 I/14-3 Islamabad, Pakistan

EDUCATION

Bachelors in Electrical engineering

National University of
Modern Languages / 2024
with **CGPA 3.93**

F.Sc Pre-engineering

Army Public College Chinar
Campus / 2020 **966/1100** with
A+ grade.

Matric

Presentation Convent School /2018
1032/1100 with A+ grade.

PROGRAMMING LANGUAGES

- Python
- C ++
- Java

SADIA MIR

ELECTRICAL ENGINEER

OBJECTIVE

I am passionate about leveraging my expertise in electrical engineering to create user-centric designs that redefine functionality. With a commitment to innovation and excellence, I aim to contribute to cutting-edge technology development, enhancing user experiences.

SKILLS

I have developed a versatile skill set that includes:

Circuit Designing: Proficient in analog, digital circuit implementation, circuit solving, PCB layout, and analysis.

Advanced Mathematics and Physics: Proficiency in solving complex equations and analyzing physical phenomena.

Programming Proficiency: Experienced in Python, C/C++, MATLAB, Java for programming projects and knowledge about OOP, database management projects using SQL and knowledgeable about data structures.

Project Management: Efficient in planning, organizing, and executing projects.

Image Processing: Knowledgeable in digital image analysis and enhancement.

Machine Learning: Familiar with data analysis and predictive modeling using object detection techniques and scikit-learn.

Embedded Systems Development: Proficient in microcontroller-based systems and IoT devices.

Problem Solving & Critical Thinking: Strong analytical skills for effective decision-making and good communication skills.

Circuit Solutions Expertise: Versatile in circuit problem-solving methods, including simulation.

Control System Design: Knowledgeable in designing and implementing Control algorithms for automation and optimization of systems.

ACHIEVEMENT

- Gold Medalist.
- Merit Scholarship at NUML University.
- Securing 1st position in Electrical Engineering category of Open house in Final Year project and Job fair.

REFERENCES

They will be provided on demand.

Fundamental Linux Competencies: Proficiency in navigating the file system, managing processes, and using command-line tools and manage, and utilize a Linux operating system.

Software Proficiency: Competent in different simulation software, and version control systems. I am proficient in various software including MATLAB, Arduino IDE, DEV C++, Proteus Design, Cisco Packet Tracer, Lab View, AutoCAD, Synapticad ,Dip Trace, Multisim, SQL Software and MIT App Inventor.

Networking and Wireless Communication: Proficiency in configuring networks, understanding protocols, and managing wireless communication systems.

PROJECTS

- Final year project about smart seed sowing and soil testing Robot.
- FYP simulation on proteus and mobile app development using MIT App inventor.
- Complex Engineering Projects in every semester.
- Water level indicator using electronic devices.
- Software simulation projects such as transformer using AutoCad, smart IoT home using cisco software and many more simulation Projects using different software.
- Fire Alarm System using micro-controller and IoT devices.
- Programming projects such as hospital Management system, Traffic management system.

EXPERIENCE

- Worked as a Trainee Intern Engineer at WSN Lab in **National Institute of Electronics (NIE)** (12th August -16th September 2024).
- **Special Communication Organization** (22nd July, 2024-16th August, 2024) 4 weeks internship in SCO-62 Signal CSB.