MUHAMMAD MUSAB SIDDIQI

0092 343 2565363 | https://www.linkedin.com/in/musab-siddiqi | musabsiddiqi350@gmail.com

OBJECTIVE: -

A motivated final-year Computer Systems Engineering student with strong foundations in hardware, software, and embedded systems, seeking an internship to apply technical skills and gain practical industry experience.

INTERNSHIP EXPERIENCE: -

LaGuardia Petroleum Private Limited **July – 2024 to Aug - 2024**

Interned at LaGuardia Petroleum Private Limited in the capacity of Computer System Engineering Department during the tenure of Internship I hve assigned for the various projects i.e, Diligence, Motivation, and Excellent performance of more or less 5 weeks.

ACADEMIC QUALIFICATION: -

Bachelor of Engineering - Computer Systems Engineering (CSE)
Hamdard University, Karachi, Sindh
Final Year (Semester, VII) **|** Expected compltion of Graduation: June 2026

PROFESSIONAL SKILLS: -

- **Computer Networks:** Able to design network topologies and work with routing and switching.
- **Digital Circuit Analysis:** Microprocessor architecture, digital signal modeling using FPGA with Verilog HDL.
- **Programming Languages:** C++, C, SQL, Verilog HDL, HTML, CSS, Javascript.
- **Microsoft Office:** Proficient in MS Word, Excel and Power Point.
- **Tools and Software:** NI Multisim, CISCO Packet Tracer, Xilinx ISE, Auto CAD, Dev C++.
- **Organizational skills:** Efficiently managing tasks and prioritizing projects to meet deadlines.
- **Problem Solving:** Analyzing complex issues and developing creative solutions.
- **Analytical and Critical Thinking:** Driven by logical reasoning and informed decision-making to the respective Management.
- **Communication Skills:** Clear and effective team collaboration and communication.

PROJECT BASED PROFESSIONAL WORK: -

- **Adjustable Power Supply:** Designed an adjustable DC power supply with a variable output range from 5V to 12V.
- **Microcontroller 8051:** This project involves the design and construction of a simple 8051-based microcontroller using a Vero board by using a programmable IC for testing.
- **Library Management System:** Created a library management system on mysql which is design to manage the daily operations of a library stores and retrieve data about books and members.
- **FPGA-Based LED Pattern Project:** Implemented a Verilog-based disco light pattern on Spartan-3E FPGA with bidirectional LED movement and a blinking sequence of 4 slow and 4 fast cycles using FSM and clock division.

REFERENCES: -

Can be furnished if asked for.