

Haseebullah Sardar Khan Niazi

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CAREER OBJECTIVE

To leverage my foundation in electrical engineering—including embedded systems, circuit design, digital electronics, and control systems—to develop practical, innovative solutions across diverse domains such as automation, instrumentation, and smart energy. I seek to grow within a forward-thinking organization that encourages cross-disciplinary learning and enables the integration of emerging technologies to solve real-world engineering challenges.

EDUCATION

Bs Electrical Engineering (NUST)

2021-2025

EXPERIENCE

COSMOTECH

ML and IoT Intern

Islamabad, Pakistan

August 2024 –September 2024

- Worked on embedded systems, sensor integration and Project “**Non Invasive Blood Glucose Monitoring**”.
- Developed a project “**Oximeter**” for healthcare applications.
- Focused on leveraging Embedded Systems and ML to develop innovative solutions.
- Gained hands-on experience in developing and optimizing machine learning models for real-world applications.
- Contributed to the advancement of healthcare technology through data-driven insights and automation.

Pakistan Aeronautical Complex

Intern

Kamra, Pakistan

May 2023–August 2023

- Gained in-depth knowledge of embedded systems used in aircraft, including avionics and radar technology.
- Explored the latest advancements in aerospace technology and their real-world applications.
- Observed and analyzed how large-scale industries operate.

PROJECTS & CERTIFICATIONS

Final Year Project : Non Invasive Blood Glucose Monitor, Traffic Analysis using Semantic Segmentation, Buck Converter, Oximeter, DTMF Coder and Decoder, Linear Power Supply, Patch Antenna, BMS, Transformer, Audio Amplifier, Soil Moisture Detector, Arithmetic Logic Unit, Audio system GUI (C++), Line Follower Robot.

Stanford University | Supervised Machine Learning : Regression and Classification , Advanced Learning Algorithms (ML), Unsupervised Learning, Recommenders and Reinforcement Learning .

NUST | AI for Robotics

OpenCV | Computer Vision, Python and Pytorch

FAST | Nescon Roborace.

Digiskill | Freelancing, Digital Marketing

Pepsico | Project Management

SKILLS

- **Technical Skills:** Machine Learning, Verilog, MATLAB, Simulink, MPLAB X, Kicad, Ansys, Arduino, Control Systems, Circuit Design & Analysis (Proteus, Ltspice and Multisim), AutoCad, Modelsim, Quartus Prime, Power Electronics, Xilinx, C++,C, Python, Easy EDA, Jupyter Notebook, VS Code.
- **Soft Skills:** Project Management, Analytical Thinking and Problem Solving.