

MOHAMMAD SHAHID

M.Tech VLSI & Embedded Systems · B.Tech ECE · Diploma Electronics Engineering
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Career Objective

A motivated Electronics & Communication Engineering graduate recently Completed M.Tech. in VLSI & Embedded Systems. Seeking to apply hands-on hardware and programming skills in Embedded Systems & Robotics domains, eager to build innovative projects and contribute to a dynamic team environment.

Skills

Core Technical: VLSI & Embedded Systems · Analog & Digital Communication · Electronic Devices & Circuits · Microprocessor & Microcontroller · Analog Circuit Design · Digital System Design
Programming: C · C++ · Python · Verilog
Software: Xilinx Vivado · LTSpice · Arduino IDE · TCP/IP
Soft Skills: Problem-solving · Teamwork · Adaptability · Technical Presentation
Also know about: UART, I2C, SPI & CAN bus protocols

Projects

Bluetooth Controlled RoboCar (Arduino UNO, L293 Motor Driver, Bluetooth Module)

Designed and built a wireless-controlled robotic car using Bluetooth serial communication. Programmed motor control logic via Arduino and L293D H-bridge driver.

Line Follower Robot (Arduino UNO, IR Sensors, Motor Driver)

Developed an autonomous robot capable of tracking a predefined path using IR sensors with real-time feedback loop for motor correction.

Energy Efficient Fractional Wavelet Filter (M.Tech Project) (xilinx Vivado, FPGA)

Designed a fractional wavelet filter architecture on FPGA targeting real-time signal processing with optimized power consumption and resource utilization.

Internship

Embedded Systems Intern · Nextwing Infotech Pvt. Ltd. & Internshala

Education

M.Tech – VLSI & Embedded Systems (Recently Completed) Zakir Husain College of Engineering & Technology, AMU, Aligarh	2024 – 2026
B.Tech – Electronics & Communication Engineering SCRIET, CCS University, Meerut · CGPA: 7.85	2021 – 2024
Diploma – Electronics & Communication Engineering Government Polytechnic, Ghaziabad · 80%	2018 – 2021
Intermediate (PCM) – UP Board UP Board · 73.6%	2017 – 2018
High School – UP Board UP Board · 85.5%	2015 – 2016

Languages

English, Hindi, Urdu