

Gautam Kumar Mishra

a proactive, B.Tech ECE undergrad who is always on the lookout for fresh challenges to conquer and innovative ideas to pursue. With 4 internships under his belt and 6+ projects aced he doesn't just dream big, he delivers bigger by approaching every task with unwavering determination and a passion for learning.

Internships

Summer Intern - Elin Electronics Ltd. , Ghaziabad

Jul 2023 - August 2023

It was really interesting to see how motors are put together and checked to make sure they work right. I got to help out with different parts of the process, like putting pieces together and making sure everything was working smoothly. This experience taught me a lot about how motors are made and gave me some hands-on skills in the process.

Research Intern - NIET Greater Noida

July 2022 - August 2022

I had the privilege of immersing myself in the dynamic worlds of drones and electric vehicles (EVs). Over the course of the internship, I engaged in hands-on projects and collaborated with industry professionals to gain valuable insights into these cutting-edge technologies.

Projects

Smart Waste Management System

- A technology that aims to make dealing with waste easier and more efficient. Instead of just throwing trash away and forgetting about it, our system uses smart sensors and data analysis to keep track of how much waste is being generated

Design of CPW microstrip patch antenna for WIFI 6E application

- Designed in CST Studio 2019 with VSWR below 1.5 across the entire WiFi 6E spectrum (2.4 GHz, 5.5 GHz, and 5.8 GHz), coupled with a high gain exceeding 8 dBi,

Gesture-controlled LED blinking system using computer vision

- Used computer vision algorithms, achieving an impressive recognition accuracy of over 90% in real-time gesture detection.

Autonomous Obstacle detection & Room Mapping Robot

- Developed a robot that autonomously detects obstacles and maps indoor environments using sensors like ultrasonic or LIDAR. Programmed the control system in [mention programming language] and integrated path planning for efficient navigation, validating performance through testing in diverse settings.

Educational Background

B.Tech ECE (2021-2025) -8.0 CGPA

Sharda University, Greater Noida, U.P.

Senior School Examination (2021) -91.2%

SVM Rajnagar , Ghaziabad

Secondary School Examination (2019) -85.7%

St Joseph's Academy, Ghaziabad

Contact

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Ghaziabad, U.P. (201003)

Skills

Top Skills

- RTL Coding
- Digital Design
- Analog Design
- ROS & ROS2

Programming languages

- Verilog
- MATLAB
- C/ C++
- Python

Other Skills

- ASIC Design Flow
- Functional Verification
- Logic Synthesis

Languages

- English
- Hindi

Certifications (UDEMY)

- Verilog HDL Fundamentals for Digital Design and Verification. SystemVerilog for Verification Part 1: Fundamentals
- Recent Trends in Robotics

Achievements

- Vega Processor Workshop Quiz Winner
- State Level Badminton Player

Volunteering Experience

- Campus Ambassador - Cognizance (IIT Roorkee)
- Senior member - Kartavya NGO