



HARSH KUMAR

Roll No.: EE22B1009

B.Tech – Electrical and Electronics Engineering
National Institute of Technology, Puducherry

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. Tech Major	National Institute of Technology, Puducherry	8.84 (Current)	2022-Present
Senior Secondary	Bihar School Examination Board	78.4%	2021
Secondary	Bihar School Examination Board	87.2%	2019

Technical Skills

- Programming: C, C++
- Web Technologies: HTML, CSS, JavaScript
- Software: PSIM, Matlab
- Hands-on experience with Raspberry Pi 4 & Arduino Uno R3

Projects

- Power Electronics: - Design and construct a single-phase voltage regulator for feeding an AC load from 50 V, 50 Hz single-phase AC supply. Then, experimentally obtain the plot between the firing angle and output voltage.
- Control System: - Using Raspberry Pi develop a circuit that controls a stepper motor.
- Microprocessor and Microcontroller: - Hand Gesture Robotic Vehicle.
- Developed a website using Canvas property in HTML, CSS, and JS.

[Github](#)

Key Course Taken

- Electrical and Electronics: Electric Circuit Theory, Analog Circuits, Digital Logic Circuits, Power Electronics, Electrical Machines, Electricity and Magnetism, Signals and Systems, Control System, Power System – transmission lines, Microprocessor and Microcontroller, Measurement and Instrumentation.
- Mathematics: Algebra & Calculus, Differential Equations.
- Computing: Basic of Programming.

Achievements

- Among the top 10 percent in the Department (out of 55 students).
- District topper in the matriculation and under 50 rank in Bihar Board.

Position of Responsibility

- Event Co-ordinator in GYANITH'24(Tech-fest - NIT Puducherry).