



Raveena Kumari

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B.Tech - Electrical and Electronics Engineering

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Github |

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. EEE	Indian Institute of Technology, Guwahati	6.83 (Current)	2021-Present
Senior Secondary	CBSE Board	90.4%	2021
Secondary	CBSE Board	92.4%	2019

PROJECTS

• Currency Counter

Self

Github

- Used figma to design the UX.
- Used HTML, CSS, JavaScript to make the entire project

• Simon Says

Electronics Club, IIT Guwahati

Github

- Utilized Verilog modules and behavioral modeling techniques to create a digital circuit that generated random numbers and controlled the sequence of lights.
- A sequence of lights is generated randomly, and the user must repeat the sequence correctly.

• Rock-Paper-Scissors Game

Self

Github

- Developed an interactive and visually appealing Rock, Paper, Scissors game using HTML, CSS, and Javascript, showcasing proficiency in front-end web development and user interface design.

• Yuvaan - MARS Rover

Robotics Club, IIT Guwahati

- Worked on the OpenCV part in which rover had the identify the arrow sign and move accordingly.
- Worked on the overall Electronics part of the rover.

TECHNICAL SKILLS

- **Programming:** C/C++, HTML, CSS, Javascript, DSA in C++, Python*
- **Hardware Description Language:** Verilog
- **Tools and Technologies:** Xilinx Vivado, Ardupilot, CAD*, Arduino IDE, LTspice, Matlab Simulink*
- **Miscellaneous:** LaTeX*, PCB design,
- **Operating Systems:** Windows, Linux*

* Elementary proficiency

KEY COURSES TAKEN

- **Course Category EEE:** Basic Electronics, Digital Design, Signals and Systems, Semiconductors, Analog Circuits, Control systems, Measurement and Instrumentation, Principles of Electrical Engineering, Embedded Systems, Principles of Communication System, Electromagnetic Theory, Electrical Machines, Power Electronics, Electrical Power Systems, Advanced Control Systems
- **Others:** Introduction to Computing, Probability in Random Processes, Pattern Recognition and Machine Learning

POSITIONS OF RESPONSIBILITY

- **Overall Coordinator,** Electronics Club, IIT Guwahati

April 2023 - Present

- Facilitated communication and collaboration among club members, encouraging learning and skill development.
- Led and managed the activities and operations of the club, fostering a collaborative environment for members.

ACHIEVEMENTS

- **Qualified PRMO and RMO,** Qualified SOF Olympiad, Mathematics, English, Science *2019*
- **Qualified JEE Mains and JEE Advanced,** *2021*

EXTRACURRICULARS

- **Know Your Laptop:** Delivered a workshop about the fundamental components and functions of laptops.
- **Digital Electronics:** Organized and conducted a comprehensive workshop on digital electronics.
- **Simon Says Mentor:** Mentored 12 students for this project on how to write verilog code.
- **Orientation of Electronics Club:** Took a leadership role in organizing the Electronics Club Orientation.
- **Content Team Member:** Was an active member of the Content team of Electronics Club.