

Rishabh Singh Negi

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Education

National Institute of Technology, Sikkim	June 2022 – Present
B.Tech in Electronics and Communication Engineering	CGPA: 6.95
Kendriya Vidyalaya, Gangtok	
Class XII – CBSE	Apr 2020 – Apr 2021 89.7%
Class X – CBSE	Apr 2018 – Apr 2019 92.4%

Work Experience

Next Bigg Tech (NBT)	Jun 2025 – Present
<i>Frontend Developer Intern – React Native (Remote)</i>	
<ul style="list-style-type: none">Engineered 3+ cross-platform mobile apps using React Native and Redux; 500+ users onboarded.Enabled REST API and Firebase Auth integration, improving login speed by 35%.Optimized UI workflows with reusable components, cutting redundancy by 25%.	
Finixia Dedenon	Dec 2024 – Jan 2025
<i>Frontend Developer Intern – MERN Stack (Remote)</i>	
<ul style="list-style-type: none">Designed 4+ dynamic UI interfaces using React, Express, and MongoDB.Boosted app performance by 20% via lazy loading and Tailwind CSS.Refactored UI modules, reducing page load from 4s to 2.5s.	

Projects

Temperature and Humidity Monitoring System	Dec 2024 – Feb 2025
<i>Arduino, DHT11, Web Stack</i>	
<ul style="list-style-type: none">Built a live dashboard to visualize 100+ hourly sensor readings.Demonstrated 90% accuracy with Arduino-based temp-humidity tracking.Cut manual logs by 80% through automation.	
Automated Irrigation System	Sept 2024 – Dec 2024
<i>Arduino, ESP8266, Python</i>	
<ul style="list-style-type: none">Reduced water usage by 35% with soil-moisture-driven control logic.Engineered a Blynk-based UI for real-time remote plot monitoring.Delivered a functional prototype in under 15 days.	

Volunteering

Anuvrat Club, Department of ECE, NIT Sikkim	Aug 2023 – Mar 2024
<ul style="list-style-type: none">Hosted two Arduino bootcamps for 60+ students covering C, logic, and wiring.Mentored 10+ juniors in circuit debugging and microcontroller setup.	

Certifications

- Entrepreneurship Boot Camp – TIDES, IIT Roorkee
- Frontend Development Internship – Next Bigg Tech
- MERN Stack Internship – Finixia Dedenon

Technical Skills

Hardware Skills: PCB Testing, Circuit Debugging, Signal Tracing, Soldering
Software: MATLAB, Cadence, VS Code
Tools: Oscilloscope, Logic Analyzer, Digital Multimeter
Methods: Sensor calibration, I/O debugging, waveform tuning
Areas of Interest: Embedded Systems, Signal Integrity, Noise Suppression