

SAURABH KUMAR JHA

Darbhangha, Bihar — bt21eee036@nituk.ac.in — 8092218372 — [in](#) [LinkedIn](#) [Link](#)

EDUCATION

National Institute of Technology, Uttarakhand

B.Tech: Electrical and Electronics Engineering

C.M.Science College, Darbhanga

Major: Physics, Chemistry, Mathematics

Ram Julum High School, Darbhanga, Bihar

Basics Subjects

Enrolled: Dec 2021 — Expected: May 2025

Overall GPA: 7.00

Enrolled: Aug 2018 — Passed: Apr 2020

Overall Percentage: 84.00

Enrolled: Apr 2016 — Passed: March 2018

Overall Percentage: 81.60

EXPERIENCE

NTPC(KBUNL)

Summer Trainee

Muzaffarpur, Bihar

1st July 2023 - 23rd July 2023

- Understand the working of thermal Power Plant. Explore my knowledge with this real industry platform.
- Enhanced my academic knowledge in the field of Power Systems.
- Understand the switchyard, substation, transformers, and protection used in the transmission line.

Online Internship Carnival

One of the member of 5

Online Internship Program Indian Institute of Technology, Ropar .

June 15 - August 25, 2022.

- We worked on a prototype Model of an Agriculture Drone using Solid Work and tried to simulate using ANSYS Software to understand the Gravity and air resistance Effect on the drone in a Virtual Environment. Certificate [link](#)

Student Placement Representative, EEE

Communication Member

NIT Uttarakhand

March 2024 – Ongoing

- As a Student placement Representative EEE to Placement Cell NIT Uttarakhand, my work was to communicate and approach the HRs of the company to reach out to our Campus. and try to reach and increase the placement in the Batch.

SKILLS

- Coursework: Power Electronics, Powers System, Electric Machines, Analog Circuit, Mathematics, Microcontrollers, Computer Network, DSA, OPSS,
- Programming: C++, Java, Python, C, JavaScript, HTML, CSS.
- Software: MATLAB, Simulink, Arduino, Cadence, Code Studio, PCB Design, Github, EasyEDA, CopperCam,
- Communication: English, Hindi, Maithili.

PROJECTS

Three Phase PWM Inverter

Aug 2023 - Dec 2023 Completed

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- Developed a PCB board and assembled the required Components on board. Arduino uses ac the microcontroller and generates 6 pulses for each gate. using the mill's function provided the PWM pulse in all the different switches.

Single Phase PWM Inverter

Aug 2023 - Dec 2023 Completed

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- Designed a single-phase inverter and assembled it on a PCB Board that was designed by me, and provided the pulse using Arduino with a Variable width pulse.

Digital Clock Using FPGA Board.

Jan 2023 - Completed

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- I engineered a clock on an FPGA board, showcasing seconds and minutes on the seven-segment display. After 60 seconds, the display initiates a blinking effect for enhanced visibility. [Link](#)

SOFT SKILLS

- Problem Solving, Decision Making, Leadership, Critical Thinking, Communication Skills, Team Management.

SEMINAR AND WORKSHOPS

- Inflatable Structures and Lightweight Materials: A New Era of Space and Defence Applications
IIT ROORKEE - SEPTEMBER 2022 Certificate link
- Pragmatic approach towards Innovations in Product Design and Manufacturing
IIT ROORKEE - JULY 2022 Certificate link

ACADEMIC ACHIEVEMENTS

- **School Topper** and **Sub-District Topper** out of 20 Schools in 10th Board Exam: 2018. **BSEB**
- JEE MAINS 2021 :- **AIR 54654.**
- JEE ADVANCE 2021 :- **AIR 27827.**
- GATE (EE) 2024 :- **AIR 7870.**

NON-ACADEMIC ACHIEVEMENTS

- 🏆 ★★ ★ on CODE CHEF Competitive Programming
- 360 Days+ Max Daily Streaks on GFG and LEET CODE
- 🏆 3rd Institute Rank on GFG
- 🏆 93 Global Rank in Code Chef Starters 138 Division 3 (Rated)
- 🏆 2211 Global Rank in Leet Code Weekly Contest 400 (Rated)
- More than 1000+ DSA problem Solved among the LeetCode, GFG, and Coding Ninja

LICENCE AND CERTIFICATES

- **in LinkedIn:-** Profile Link
- **HACKER RANK:-** Profile link
- **CODE CHEF:-** Profile Link
- **GEEKS FOR GEEKS:-** profile Link
- **LEET CODE:-** profile Link
- **GitHub:-** profile Link
- **MATLAB:-** Certificate Link