

# RITESH KUMAR

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## Education

<b>International Institute of Information Technology, Bhubaneswar</b> <i>Bachelor of Technology in Electrical and Electronics Engineering, CGPA:8.10</i>	Nov. 2022 – Present <i>Bhubaneswar, Odisha</i>
<b>patna doon public school, Patna</b> <i>Central Board of Secondary Education, 90%</i>	Aug. 2019 – Mar. 2021 <i>Patna, Bihar</i>
<b>Omega mission school, Patna</b> <i>Central Board of Secondary Education, 95.2%</i>	Aug. 2015 – Mar. 2019 <i>Patna, Bihar</i>

## Internship and Experiences

- NALCO(National Aluminium Company Limited)Angul, odisha Trainee Intern May 2025 - June 2025  
Learned the operation and function of Control department at Captive plant of Nalco and proper function of (DCS).
- Agnirva space community, ISRO(Registered space tutor) july 2024  
Remote Intern  
learned about space and technology, about planetary system and more
- Participated in Two-Days workshop –on Recent Advancement for Sustainable Development in PowerGrid BY-IIIT BHUBANESWAR Sept 2024

## Projects and Research paper

- Room Temperature sensor Electronics project.
- Fault detection and classification. (under review)  
Submitted a Research (journal) paper “ Fault detection and classification in transmission line using KNN and decision tree.” Jan 2025 to March 2025
- Efficient EV Charging in Nano Grids. (under review)  
Submitted a Research (journal) paper on Efficient EV Charging in Nano Grids. Jan 2025 to March 2025
- Digital Clock Hardware Working Model of Digital Clock using Different IC's and Logic gates– Mod-60 , Mod-60 , Mod-12 Counters

## Technical Skills

**Languages:** C++, c,Python HTML/CSS

**Developer tools:** MATLAB, Altium, Proteus, Visual Studio Code, GitHub Simulink , Multisim

**Electronics Skills:** Arduino IDE, Embedded System,,NRF microcontroller

## Achievements and Certificates

- GATE ECE 2025 qualified.
- Internship-Training certificate by NALCO(National Aluminium Company Limited)
- Cleared the Smart India Hackathon at college level.
- Won the best technical achievement award at TIFA 2024 and official selection at KALAKARI film festival 2025.
- School topper CBSE 10th
- Internship certificate by Agnirva space BY- ISRO
- Certificate of Participation in Two-Days Drone workshop – ON Recent Advancement for Sustainable Development in PowerGrid BY-IIIT BHUBANESWAR.

## Leadership/Extracurricular Activities

**Disciplinary Committee (IIIT BH)** August 2023 – Present  
*Core member*

- Managed event promotion, volunteer teams, and fostered collaboration, organised Biggest cultural fest of odisha” ADVAITA”.

**Film And Theatre Society member ,(IIIT BH)** June 2023 – Present

- performed Theatre acting in College in functions of the college and worked in sort film ”KHAALI”.

**Sports society (IIIT BH)** August 2023 – Present  
*Core member* *IIIT Bhubaneswar*

- Managed event promotion,organised sports events such as ”Krida” inter-college sports fest.