Gourav Banik

Pre-final year BTech student
Electronics and Communication Engineering
National Institute Of Technology, Raipur

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○ GitHub Profile
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EDUCATION

•**National Institute Of Technology, Raipur** *Dec 2021 - Present(Aug 2025)*
BTech - Electronics and Communication Engineering CPI(After 4th sem): 8.66/10

•**Bishop Morrow School** *2020*
, West Bengal Percentage: 93.25

•**Bishop Morrow School** *2018*
ICSE, West Bengal Percentage: 90.8

EXPERIENCE

•**Inter-Satellite Communication Link** *May 2023 - June 2023*
Research Intern National Institute of Technology, Raipur

– Worked on research paper on establishing comparison between CSRZ and DRZ modulation in Inter-Satellite Communication Link, and discussing how it is implemented in Smart Cities.
– Conducted extensive literature reviews, designed experiments and analyzed data to investigate the efficiency and feasibility of optical communication in Inter-satellite Communication link.
– Tools used: Optisystem 20 (Optiwave)

PERSONAL PROJECTS

–**Disney+ Home Page Clone**

Designing a fully functional clone of Disney+ home page using HTML, CSS and Javascript

* Tools & technologies used: HTML, CSS, Javascript
* Demonstrated front-end development by cloning the exact layout and styling of Disney+ website

–**Medicinal Plants Detection using Machine Learning**

Designed a model that identifies medicinal plants using Machine Learning

* Tools & technologies used: Machine Learning, Kaggle API
* The system has been fed with the dataset fetched from Kaggle API, the model is trained with various images of the identifying characteristics of medicinal plants like leaves, stems etc.

–**Personal Portfolio**

Designing a responsive personal portfolio website

* Tools & technologies used: HTML, CSS, Javascript
* A complete Responsive Personal Portfolio Website

TECHNICAL SKILLS

Languages: C++(Data Structures and Algorithms) , Java(Basics), Python(Basics)
Web Development Tools: HTML, CSS, Javascript
Softwares: MATLAB, Simulink, Optisystem 20(Optiwave)
Version Control: Github
Soft Skills: Problem-solving, Leadership, Time Management, Investing, Public Realtions, Adaptibiity
Coursework: Operating Systems, Object Oriented Programming

INTERESTS

Area of Interests: Web Development, Artificial Intelligence and Machine Learning and Cloud Computing,

POSITIONS OF RESPONSIBILITY

–**Coordinator** Innovation Cell, NIT Raipur *Feb 2023 - Present*
–**Technical Coordinator** Makerspace NIT Raipur *Sep 2022 - Present*

ACHIEVEMENTS

–**Secured 4th highest CPI in first year of College** Branch topper with CPI: 9.52