Gourav Banik

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

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 GitHub Profile
 LinkedIn Profile

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*
ISC, 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