Gourav Banik

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

Dec 2021 - Present(Aug 2025)

CPI(After 4th sem): 8.66/10

2020

2018

EDUCATION

•National Institute Of Technology, Raipur

BTech - Electronics and Communication Engineering

•Bishop Morrow School

, West Bengal Percentage: 93.25

•Bishop Morrow School

ICSE, West Bengal Percentage: 90.8

EXPERIENCE

•Inter-Satellite Communication Link

May 2023 - June 2023 National Institute of Technology, Raipur

Research Intern

- 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, Adaptibity

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

-Technical Coordinator Makerspace NIT Raipur

Feb 2023 - Present

Sep 2022 - Present

ACHIEVEMENTS

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