



# Khyati Chouhan

Roll No.:220102050

B.Tech - Electronics and Communications  
Engineering

Indian Institute Of Technology, Guwahati

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	6.75 (Current)	2022-Present
Senior Secondary	CBSE Board	94.0%	2022
Secondary	CBSE Board	97.60%	2020

## PROJECTS

- **Personal Portfolio Website** Ongoing  
*Students' Web Committee, IITG*
  - Creating a personal portfolio website as a professional representation of my skills and projects.
  - Tech Stack used - HTML, CSS, JavaScript
- **Airline Management System** May 2024  
*Coding Club, IITG (Group Project)*
  - Designed an airline management and booking system enabling users to create profiles and search flights.
  - Tech Stack used-  
FrontEnd : HTML, CSS, React.JS  
BackEnd:Node.JS, MongoDB
- **Analog Calculator using Op-amps and Arduino** Jan. 2024  
*Electronics Club, IITG (Group Project for inter hostel tech competition)*
  - Built an analog calculator to carry out operations like addition, subtraction and multiplication. Used an Arduino Mega to implement BODMAS rule in Arduino C++, designed and implemented electronic circuits to display output. Wireless connection to the Arduino Mega done using a blue-tooth module.
- **Credit-Card-Validator** Sept. 2023  
*Self Project* Github
  - Utilized the Luhn algorithm for validating and verifying identification numbers, ensuring accuracy and security in credit card data processing.

## TECHNICAL SKILLS

- **Programming:** C,C++
- **Web Technologies:** HTML, CSS, JavaScript, React.JS, Node.JS
- **Database Management:** MongoDB
- **Miscellaneous:** Verilog\*, MATLAB\* \* Elementary proficiency

## KEY COURSES TAKEN

- **Electronics and Electrical:** Signals and Systems, Semiconductor Devices, Circuit Theory, Analog Circuits
- **Computer Science:** Introduction to Computing(Theory and Lab)
- **Mathematics:** Probability and Random Processes, Basic Calculus, Linear Algebra

## POSITIONS OF RESPONSIBILITY

- **Core Team,** Xpressions Club, IIT Guwahati Oct. 2023 - Present

## ACHIEVEMENTS

- **Bronze Medal,** Theatre Arts, 6th Inter IIT CultMeet, IIT Kharagpur. Dec. 2023
- **6th Position,** Beyond Bits, Inter Hostel Technical Competition-KRITI, Electronics Club IIT Guwahati. Jan. 2024

## EXTRACURRICULAR ACTIVITIES

- **Xpressions IIT Guwahati,** Performed in events organized by the dramatics club.
- **Cadence IIT Guwahati,** Performed in events organized by the dance club.
- **SPARDHA IIT Guwahati,** Participated in lawn tennis in Inter Hostel Sports Competition.