



# Khyati Chouhan

Roll No.:220102050

B.Tech - Electronics and Communication Engineering

Indian Institute Of Technology, Guwahati

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Github

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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	Central Board of Secondary Education	94.0%	2022
Secondary	Central Board of Secondary Education	97.60%	2020

## PROJECTS

- Airline Management System** May 2024  
*Coding Club, IITG* Github
  - Designed and developed the **backend functionality** for an Airline Management System using **Node.JS** and **MongoDB**.
  - Implemented features such as user profile creation, flight booking, and customer review.
  - Collaborated in a team of four to ensure efficient **data-management** and user-friendly frontend.
- Analog Calculator using Op-amps & Arduino** Jan. 2024  
*Kriti, Electronics Club, IITG (Group Project)* Github
  - Built an analog calculator to carry out multiple algebraic operations.
  - Used an Arduino Mega to implement **BODMAS** rule in **Arduino C++**.
  - Designed and implemented electronic circuits to display the output.
  - Established a **wireless connection** to the Arduino Mega for enhanced functionality.
- Credit Card Fraud Detection** July 2024  
*Self Learning Project* Github
  - Developed a credit card fraud detection model, which involved data preprocessing and analysis using **Pandas** and **NumPy**.
  - Utilized **Logistic Regression** to classify transactions as legitimate or fraudulent.
  - Deployed the model as an interactive web application using **Streamlit**.
  - Analyzed and preprocessed data from a **Kaggle** dataset for model training and evaluation.
- Personal Portfolio Website** June 2024  
*Students' Web Committee, IITG* Website
  - Designed and developed a personal portfolio website as a professional representation of skills and projects.
  - Created this as a practise project to learn and implement front end tech stacks such as **HTML**, **CSS** and **JavaScript** as a part of the **HackStack'24 workshop**.

## TECHNICAL SKILLS

- Programming:** C,C++, Python\*
- Web Technologies:** HTML, CSS, JavaScript, Node.JS, React.JS\*
- Database Management:** MongoDB
- Data Analysis and Machine Learning Libraries:** Pandas\*, NumPy\*, scikit-learn\*
- Miscellaneous:** Verilog\*, MATLAB\* \* Elementary proficiency

## KEY COURSES TAKEN

- Electronics and Electrical:** Control 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 AND ACHIEVEMENTS

- Core Team**, Xpressions-overseeing creative operations within the Dramatics Club, IITG. Oct. 2023-Present
- Bronze Medal**, Theatre Arts, 6th Inter IIT CultMeet, IIT Kharagpur. Dec. 2023
- Qualified**, for the finals of Ohm Campus Challenge. Feb. 2024
- 6th Position**, Beyond Bits, Interhostel Technical Competition-Kriti, Electronics Club IIT Guwahati. Jan. 2024

## EXTRACURRICULARS

- Theatre:** Performed as a lead actor in a theatre "Saari Raat" in IIT Guwahati campus auditorium.
- Dance:** Performed in IIT Guwahati's Performing Arts Festival and on Independence Day.
- Lawn Tennis:** Secured 3rd position in lawn tennis in Interhostel Sports Competition-Spardha.