



# Suhani Kalra

Roll No.:210104108

Civil Engineering

Minor in 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.	Indian Institute of Technology, Guwahati	7.35 (Current)	2021-Present
Senior Secondary	CBSE Board	92.2%	2020
Secondary	CBSE Board	96.17%	2018

## PROJECTS

- VidComm - Real-Time Video Communication System.** June - July 2023  
*Self, Based on Coding Club, IIT Guwahati* Github
  - Implemented a real-time audio-video communication system using **WebRTC, Node.js, React**.
  - Integrated features like **screen sharing, chat, video, audio** for enhanced user experience.
- Real Estate Decision Model, Easy Automation of Complex Decision Making** Jan - Feb. 2023  
*Won Silver Medal, 11th Inter IIT Tech Meet representing IIT Guwahati Contingent* Report
  - Developed an intelligent **Retail Real Estate Decision Model** to automate property investment decisions.
  - Worked on **300+ parameters** to design a model to calculate scores of various currently used models by training them to acquire weights and then amalgamate them for a result on **Return on Investment (ROI) and assess risk factors**.
- Greedy Cashflow Minimization** Aug - Sept 2022  
*Data Structures and Algorithms Course* Github
  - Developed a sophisticated **Greedy Cashflow Minimization** algorithm that significantly simplifies complex cash flow transactions within a group.
  - Innovatively designed an interactive web application using **Vis.js**, facilitating visual analysis of cash flow graphs, enhancing transparency, and fostering better financial decision-making.

## TECHNICAL SKILLS

- Programming Languages:** Python, C/C++, JavaScript
- Web Development:** HTML, CSS, Node.js, React.js
- Tools/Frameworks:** Git, WebRTC, Express.js, Bootstrap

## KEY COURSES TAKEN

- Mathematics and Computing:** Linear Algebra, Basic Calculus, Mathematical Economics, Computing Laboratory, Introduction to Computing

## POSITIONS OF RESPONSIBILITY

- Senior Product Executive**, Entrepreneurship Cell, IIT Guwahati Apr. 2022 - Apr. 2023  
Organised various learning sessions and product development workshops to mentor student startups and product enthusiasts. Collaborated with a diverse team to ideate and execute innovative initiatives to foster an entrepreneurial ecosystem on campus. Coordinated the NorthEast Entrepreneurship Drive and the NorthEast Startup Expo, to promote entrepreneurship in the region. Our Team was instrumental in establishing **30+** newer Entrepreneurship Cells across North East in its first edition.
- TEDx Curation Executive**, TEDx IIT Guwahati July 2022 - Mar. 2023  
Curated the talks of the speakers for TEDx IIT Guwahati event, working closely with the speaker to shape their presentations. Analyzed the speaker's content and delivery to enhance the impact of their presentations on the audience.

## EXTRACURRICULARS

- Winter Consulting** Consulting and Analytics Club, IIT Guwahati Successfully completed the 5-week Consulting Workshop to work on the project on Future of Air India after TATA Acquisition being in the top 5% of the project.
- Web Dev Bootcamp** App Brewery, London, Udemy Successfully completed the Web Development Bootcamp and completed 10+ projects during the same timeframe.

## ACHIEVEMENTS

- Silver Medal**, Inter IIT Tech Meet 11, Real Estate Decision Model, Automation of Complex Decision Making 2023
- Joint Entrance Examination Mains 2021**, Secured Rank in Top 2.3% among 0.97 million candidates 2021