



# T Mohit Kumar

Metallurgical and Materials Engineering  
Indian Institute of Technology,  
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## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Bhubaneswar	8.13 (Present)	2020-2024
Senior Secondary	Kendriya Vidyalaya, Hebbal	93.2%	2020
Secondary	HAL Secondary School	93.6	2018

## PROJECTS

### Failure Analysis of coal injection lance tubes

*Guided by Prof. Brahma Deo, SMMME*

- Developed **GUI** using **Python** and **Tkinter** for failure detection in coal injection tubes in a rotary kiln.
- Applied FFT and Wavelet transform to data and displayed visual results using **PyWavelets**.

### CraveCart- Food Ordering app

- Create a user-friendly and responsive food store website to enhance the online presence and customer experience for a local food store.
- Integrated JavaScript for interactive features like navigation menus, image sliders, and form validation.
- Implemented automatic slide transitions with autoplay functionality to enhance user engagement.
- Technologies Used: **MongoDB, ExpressJS, RaectJS, NodeJS**.

### VideoChat

- Conceptualized, designed, and developed a cutting-edge real-time video chat application using **JavaScript** and **Node.js**.
- Employed **Express.js** to construct a robust server, facilitating seamless communication and routing within the application.
- Orchestrated real-time communication through **Socket.io**, enabling users to effortlessly join and interact within video chat.
- Implemented the **PeerJS** library to establish efficient peer-to-peer connections, allowing for smooth video streaming.

## TECHNICAL SKILLS

- Programming Languages:** C, C++, Python, Javascript
- Web Development:** HTML, CSS, Bootstrap
- Frameworks:** ReactJS, NodeJS, MongoDB, ExpressJS

## POSITIONS OF RESPONSIBILITY

- Contingent Leader, IIT BBS** at IIT Delhi for 55<sup>th</sup> InterIIT Sports Meet
- Core Member**, Sponsorship Team, E-Summit, IIT Bhubaneswar *Apr, 2018 - Apr, 2019*

## EXTRACURRICULAR ACTIVITIES

- NCC Cadet (Army Wing):** C-Certificate Holder *2023*
- Basketball:** Participated in U-16 District Championship, Telangana *2018*