



# VIBHU BADAL GUPTA

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Male, 20 years

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## EDUCATION

B.Tech. (Mechanical Engineering)	2019-23	NSUT, Delhi	8.32
CBSE (Class XII)	2019	ASN Sr. Sec. School, New Delhi	87%
CBSE (Class X)	2017	ASN Sr. Sec. School, New Delhi	9.8

## INTERNSHIPS

- Software Development Intern | Center For Railways Information System | Delhi** (Jan'22 - May'22)  
CRIS, established in 1986 designs, develops, implements and maintains all information systems of Indian Railways, under the ownership of Ministry of Railways
  - Created **DFD**, **ERD** and validation sheets for designing data sharing cycles between different roles for all prod. shop, engineers & inspectors.
  - Created **template** and **CRUD operation** on Loco Shower Test, Electronic Loco Reports, Inspection Report at stations, Mechanical FIR report for Loco.
  - Worked on various Tech stacks including - Django, Flask, PostgreSQL, Javascript, Python, Bootstrap, HTML, CSS, Draw.io, enviroment building.
- Research Intern (Electric Vehicles) | National Institute Of Disaster Management | Delhi** (Jul'22 - Present)  
NIDM, established in 1995 is a premier institute for training & capacity developments programs for mitigation of disasters in India, under Ministry of Home Affairs
  - Writing a research paper on mitigating possible disasters at charging stations of electric vehicles under professor Garima, at NIDM
  - Learning **geological factors**, **security** and **layouts of charging stations**, analysing previous disasters, & guidelines laid out by NBC.
  - Planning speaker sessions and QnAs with industry and Academic experts on views of hazard, risk, vulnerability assessment (HRVA)

## ACADEMIC PROJECTS

- Social Media Platform**, <https://github.com/vibhugupta/codeial-final-live> (Oct'20 - Nov'20)  
CODEIAL, a twitter clone like social platform project with features like **CRUD on profile with secure login**, **friend list**, **actions like tweeting, commenting & chatting**
  - Used **ReactJs & Redux** Javascript libraries for creating the structure of the project and **Redux store** for database management of profiles and tweets.
  - User Login and auth by **router-dom & logger** Javascript libraries, Added Chatting functionality by **Socket.io-client** Javascript Library.
- Delcon22**, <http://delcon2022.com/> (Apr'21 - Feb'22)  
Flagship Delhi Section International Conference on Electrical, Electronics and Computer Engineering featuring papers from 400+ authors from 13 diff countries
  - Chief Convener** of the conference student team, under the **OC comprising of professors** from around the nation chairing Prof. Prerna Gaur.
  - Designed, developed & maintained the website for **handling registrations, queries, payment gateway & regular updates and timeline** for authors.
- Movie App**, <https://github.com/vibhugupta/movie-app> (Sept'20-Oct'20)  
IMDB-LIST, a web app project of movie gallery, with interesting in-depth details, search features and create, save, update and delete actions on Favourite's list
  - Used **ReactJs & Redux** Javascript library for creating the structure of the Web-app & fetched data by using **Open Imdb API**
  - Created a dynamic and responsive webpage by **Redux store** for **CRUD on Favourite's list**, added searching features on movie data.

## SKILLS

- Data Structures & Algorithms** - C++(Advanced), C(Intermediate) & Python(Intermediate)
- Database Management Systems** - PostgreSQL, Psycopg2, Firebase(NoSQL).
- Full Stack Web Development** - Django(CRIS intern), Flask(CRIS intern), ReactJS(5 projects), Redux(2 Projects), Bootstrap, JavaScript, CSS, HTML.

## POSITIONS OF RESPONSIBILITY

- Vice-Chairperson | IEEE-NSUT Student Branch**, [IEEE-NSUT \(ieeensut.com\)](https://ieeensut.com) (Jun'21 - Jun'22)  
IEEE, established 1963 is the world's largest professional association of engineers, scientists & professionals with 423,000+ members worldwide over 160+ countries
  - Project Managing head** for Student Mentorship program, **fostered 40+ students** for **full stack development** projects and writing **research papers**
  - Organised **3 Hackathons**, **15+ learning league sessions**, quizzes, **Ind-acad collaborations** inviting professionals from 3 different countries.
- Head, Logistics | Moksha and Innovision'22**, [www.mokshansut.com](http://www.mokshansut.com) (Jan'22- Mar'22)  
Moksha and Innovision is the 3-day long annual cultural and Tech fest of NSUT which witnesses 40,000+ footfall every year.
  - Managed a team of **270+ volunteers**, **150+ events** and **6+ artists** across 4 days, **ensured smooth execution** of all events with safety & security of all.
  - Fulfilled responsibilities** like documentation, inventory checks, research and **planning strategies**,organising work between 10+ volunteer groups.
- General Secretary | HackNSUT**, [HackNSUT \(ieeensut.com\)](https://hacknsut.com) (Feb'22 - Mar'22)  
A 24 hour offline annual Hackathon organized by IEEE-NSUT SB on several tracks based on AI, GameDev etc. making it North India's 2nd Largest Hackathon.
  - Handled documentations of **proposals, permissions, sponsorships & registrations** for 24 hour offline hackathon and managed smooth operations onsite
  - Provided **assistance** to participants, logistical support, ensured **health and safety measures** for participants, handled **queries & grievances**.

## AWARDS & EXTRA-CURRICULAR ACTIVITES

- Outstanding Student Volunteer of Women in Engineering Award**, by India Council Region Asia/Pacific, April 2022
- 8.8 GPA in IIT Madras B.Sc. Online Degree of Data Science & Programming**, Sept 2020 - Present (Expected 2024)