



# VIBHU BADAL GUPTA

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Male, 20 years

[visit me](#) | <https://github.com/vibhubgupta> | <https://www.linkedin.com/in/vibhu-badal-gupta/>

## 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 models & view cycles between different roles for all shops, engineers & inspectors.
  - Created frontend & CRUD operation on 5+ cycles (Shower Test, Loco Reports, Inspection Report at BSB Canit, Mechanical FIR report for Loco.)
  - Worked on various Tech stacks including - Django, Flask, PostgreSQL, Javascript, Python, Bootstrap, CSS, Draw.io, virtual environment.
- Research Intern (Electric Vehicles) | National Institute Of Disaster Management | Delhi** (Jul'22 - Present)  
*NIDM, established in 1995 is a premier institute for training & capacity development programs for mitigation of disasters in India, under The 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://vibhubgupta.github.io/wittygram/> (Oct'20 - Nov'20)  
*WittyGram, a facebook clone like project with features like CRUD on profile with secure login/signup, friend list, actions like posting, commenting & chatting*
  - Used ReactJS & Redux Javascript libraries for creating the structure of the project and Redux store for managing profiles, posts, friend lists, etc.
  - Authorised Login/Signup by router-dom, middleware thunk & logger on actions, Added Chatting functionality by Socket.io-client 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, organized 67 sessions over 3 days for plenary talks from speakers & presentations of 434 authors
  - Designed, developed & maintained the website for handling registrations, queries, payment gateway & updates and timeline for authors.
- Movie App**, <https://github.com/vibhubgupta/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 accurate movie data by using Open Imdb API
  - Built a dynamic webpage with CRUD on Movies, used Redux Store for maintaining Favourite's list, added searching features from API to app.

## SKILLS

- Data Structures & Algorithms** - C++(Advanced), C(Intermediate) & Python(Intermediate)
- Database Management Systems** - PostgreSQL, Psycopg2, Firebase(Familiar).
- Full Stack Development** - Django(CRIS), ReactJS(5 projects), Redux, Flask(Familiar), Bootstrap, Rest APIs, JQuery, JavaScript, CSS, HTML

## POSITIONS OF RESPONSIBILITY

- Vice-Chairperson | IEEE-NSUT Student Branch**, [IEEE-NSUT \(ieeensut.com\)](http://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 & 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 & 6+ artists across 4 days, ensured smooth execution of events with safety & security of all.
  - Fulfilled responsibilities like documentation, inventory checks, market research and planning strategies. Added 4 Lakh+ revenue to fest budget.
- General Secretary | HackNSUT**, [HackNSUT \(ieeensut.com\)](http://HackNSUT (ieeensut.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, sponsors & registrations for location & deliverables, ironed out operations onsite.
  - Provided assistance to 200+ participants, logistical support, ensured health & safety measures for participants, handled queries & grievances.

## AWARDS & EXTRA-CURRICULAR ACTIVITIES

- 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)