



VISHESH



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Materials Engineering	Indian Institute of Technology Delhi	6.855
2020	CBSE	Nav Uday Conv. Public School, Delhi	94
2018	CBSE	Salwan Public School, Delhi	95.8

SCHOLASTIC ACHIEVEMENTS

- **Olympiads:** Participated in **national-level** olympiads and procured medals among **100k+** participating candidates
 - Secured **Rank 2** in 6th International **Mathematics** Olympiad conducted by Science Olympiad Foundation (2013)
 - Secured **Rank 3** in 15th National **Science** Olympiad conducted by Science Olympiad Foundation (2013)
- **Certificate of Excellence:** Acknowledgement for performing **meritoriously** in academics in a batch of **200+** students
 - Recognition award for **outstanding** achievement in academics (above **90%** marks in all the subjects) (2016)
 - Recognition award for **outstanding** achievement in academics (above **90%** marks in all the subjects) (2017)

PROJECTS

- **Glass Transition Temperature, Machine Learning Project, Prof. Karra, IIT Delhi :** (September, 2022 - November, 2022)
 - Used **ANN** to predict the glass transition temperatures of various multicomponent oxide glasses with as high as **65 elements**
 - Used a **Multilayer perceptron** model with 2 hidden layers; included a **dropout** and **early stop routine** to avoid overfitting
 - Employed **Rectified Linear Unit (ReLU)** as the activation function for the hidden layers; linear function for output layer
 - Implemented **Huber Loss** Function with **Adam optimizer** for updating the network parameters during training
- **SQL Data Exploration, Data Analytics Project :** (July, 2021 - August, 2021)
 - Created pivot tables, plotted graphs using **Business Intelligence tool** (Metabase) to visualize and analyze the filtered data
 - **Filtered** huge data stored in a database, of COVID deaths and vaccinations from all over the world, using **SQL queries**
 - Worked on **Microsoft SQL Server Management Studio** by connecting with SQL server and used the platform to analyze data
- **COVID-Help, Whatsapp-Bot :** *Providing emergency information like Oxygen cylinder, ICU Bed, Vaccine availability* (July, 2021)
 - Programmed using **Twilio API** handling requests using **flask** server, fetched data using **CoWIN & Twitter API**

INTERNSHIPS

- **Redroom Technology Pvt. Ltd. (Sanfe), New Delhi, India : Business Analyst** (May, 2022 - July, 2022)
 - Actively **monitored** the company operations and made a variety of **recommendations** for improving efficiency and services
 - Generated **statistical management reports** analyzing inflow - outflow of company data to discern **procedural efficiency**
 - **Performed** competitive benchmarking **analysis** on **40+** Key Market Stakeholders; **identified global leading practices & KPI**
 - Revamped **new product** by identifying target market segment, relevant features and best pricing model with price points

POSITIONS OF RESPONSIBILITY

- **Formals Executive, Sportech, Board for Sports Activities :** (July, 2021 - May, 2022)
 - **Streamlined logistics**, infrastructure and scheduling to ensure smooth execution of events over the span of 4 days.
 - **Supervised** registration and managed primary facilities such as refreshments and medical amenities; Ensured **Alumni participation**.
 - Planned and managed hospitality requirements for all the participants; Implemented a **24x7 helpline facility** for the teams.
- **Vice-Captain, Aravali Hostel Cricket Team, Board for Hostel Management :** (July, 2021 - May, 2022)
 - **Scouted** amazing talent in our hostel and **mentored** them to improve their skills and enhance their game sense.
 - Devised **weekly practice** sessions & evaluation **feedback mechanism** to foster competitive temperament within the team group.
 - **Organised** various events to increase fresher's participation and to continue the supreme culture of this sport in our hostel.

EXTRA CURRICULAR ACTIVITIES

- **Sports :** Member of the **Inter-IIT Contingent**; Represented IIT Delhi in various **national-level** tournaments
 - **Winner, Gold Medal** with Institute Cricket Team, **Inter-IIT Sports Meet**, IIT Delhi & IIT Roorkee (2022)
 - **Winner, Gold Medal** with Institute Cricket Team, **Sportech**, Annual Sports Festival of IIT Delhi (2022)
 - **Winner, Silver Medal** in IIT Delhi's most prestigious Cricket tournament, **IIT Premier League** (2022)
 - **Winner, Bronze Medal** with Institute Cricket Team, **Udghosh**, Annual Sports Festival of IIT Kanpur (2022)
 - **Winner, Man of the Tournament** award in IIT Delhi's top Cricket tournament, **IIT Premier League** (2022)
 - **Winner, Two Man of the Match** awards in IIT Delhi's top Cricket tournament, **IIT Premier League** (2022)
- **Drama : Winners** in the event 'Materials and Art' in the course MLL251 with **10+** teams and **40+** participants

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java, HTML, CSS, JavaScript, SQL
- **Software and Tools:** LaTeX, AutoCAD, MATLAB, MS Office



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IIT COURSE

Degree	Institute	CGPA
B.Tech in Materials Engineering	Indian Institute of Technology Delhi	6.855

QUALIFYING EXAM

- Joint Entrance Examination (JEE) Advanced Rank: 4135 (GE)

EXTRA CURRICULAR ACTIVITIES

- 2nd Position, IITPL (July, 2021 - May, 2022)
- 1st Position, Sportech Cricket (July, 2021 - May, 2022)

POSITIONS OF RESPONSIBILITY

- Sportech Executives, BSA (July, 2021 - May, 2022)
- Cricket - Vice Captain, Aravali, BHM (July, 2021 - May, 2022)