



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	9.09 / 10
2020	AISSCE	Delhi Public School, Ranchi	97.8%
2018	AISSE	Delhi Public School, Ranchi	91.2%

## AWARDS AND ACHIEVEMENTS

- **National Talent Search (NTS) Exam**: Selected as **NTS** scholar in 2018, ranked in the **top 0.01%** among 1 crore+ eligible candidates
- **Kishore Vaigyanik Protsahan Yojana (KVPY)**: Awarded the scholarship in 2019 (**SA category**), ranked **305** out of **1 lakh+** students
- **Regional Mathematical Olympiad (RMO)**: Ranked among the **top 30** students in the state and selected for appearing in **INMO**, 2019
- **JEE Advanced, 2020**: Secured an **All India Rank of 1882**, being in the **top 0.7%** of the students who qualified for the examination
- **Times SPARK**: Awarded the **Platinum Certificate** of Merit for the 'Times SPARK Scholarship Exam' held by the **Times of India, 2018**

## INTERNSHIPS

Operations and Process Design Intern | FrontRow, Bangalore

May'22 - Present

- **Increased** efficiency of Operations team by **30%** by identifying **2 unique** solutions for resolving multiple workflow related process issues
- Single handedly managed team of **15 instructors** focusing on faster query redressal regarding Class scheduling and Mentorship sessions
- Analysed customer grievance data by dividing it into **12 sub-categories** for understanding customer issues and related solutions better
- Currently **Designing slack bot** which aims to reduce turnaround time by **50%+** by increasing efficiency in solving instructor related issues

Summer Research Fellowship Programme | JNCASR, Bangalore

June'22 - Present

- Performed **mathematical simulation** of general linear flow in **2 different kinds** of liquid droplets to obtain convective transport patterns
- Analyzed **6 distinct pattern of streamlines** inside a liquid droplet to obtain its dependence upon external **heat pattern** streamlines
- Developed a **predictive modelling** of internal heat pattern streamlines by running simulations on **6 different datasets** of initial points

## PROJECTS

Investment Banking Experience Program IBEP | Finlatics

July'21 - October'21

- Mapped potential of **4 start-up ideas** based on **multidimensional analysis** of global market conditions, economy and **case** project reports
- Researched on **6 types** of **private equity funds** for 20+ startups focusing upon their unique requirements and created documentation
- Analyzed the **Customer Acquisition Cost** based Modelling, setting up of a Private Equity Fund, and **Exit Strategies** of 6 types of PE Funds

DIY Wi-fi enabled real time clock with a motion sensor (Term Project) | IIT Kharagpur

May'21 - June'21

- Designed **2 different motion sensing circuits** on Tinkercad to simulate **2 different models** and develop a better prototype for the project
- Built a **Wi-fi enabled real time clock** and connected it to a **motion sensor buzzer** using **Arduino** to note the time of events online
- Created model to **alert security system** in case of unforeseen events(Eg: Theft and Burglary) and save the timestamp for investigation

## EXTRA CURRICULAR ACTIVITIES

Badminton - State Level Player, Jharkhand

- Won **First prize** in the Singles Category of the badminton tournament organised by Steel Authority of India Limited (**SAIL**) Ranchi
- **Gold Medallist** at the District level badminton championship (Under-13) in the doubles category organized at Khelgaon, Ranchi
- Awarded **Gold Medal** for the **DPS Ranchi** school team at the **Rendezvous** Inter school Sports meet held at Sapphire International School

Music:

- Trained in **Hindustani Vocal Classical**, awarded Distinction degree in **Sangeet Visharad (5 year)** from Pracheen Kala Kendra, Chandigarh
- Awarded **1st Prize** in the Senior category for singing at the **Solo song Competition (Hindi)** organized by Delhi Public School, Ranchi

## POSITIONS OF RESPONSIBILITY

Actor | Encore : Technology Dramatics Society, IIT Kharagpur

January'21 - Present

- Garnered 3000+ views by performing dual roles in play "**THE GREEK MYTHOLOGY OLYMPIAGANZA**" - a play based on Greek mythology
- Raised **awareness** about **Menstrual Hygiene** among **600+** member audience by performing a social commentary nukkad at **Spring Fest**
- Conducted **auditions** for **300+ people** and helped in **selection and mentorship** of **26 new** members inducted into the dramatics club

## CERTIFICATIONS

- **Vijyoshi Camp**: Participated in the annual National Science Camp organized by KVPY for global scientific exposure in 2019
- **ConnecTech**: Contributed to the conference by participating in the Pythagoras Pro Mathematics exam conducted by **Govt. of India**
- **MATLAB and Simulink Onramp**: Certified in the basics of MATLAB and Simulink by completing the Mathworks trading Onramp course
- **IBT Program**: Awarded high distinction certification in Maths and Science conducted by **Australian Council for Educational Research**
- **IBEP Certification**: Certified as an **Investment Banking Analyst** on the Finlatics - Investment Banking Experience Program in 2021

## SKILLS AND EXPERTISE

- **Programming Languages and Softwares**: C, C++, Python, HTML, CSS
- **Tools**: MATLAB, FreeCAD, Numpy, Pandas, Visual Studio Code, Google Colab, MS Excel, Google Sheets

## COURSEWORK INFORMATION

- **Maths**: Advanced Calculus | Linear Algebra, Numerical and Complex Analysis | Theory of Partial Differential Equations | Transform Calculus
- **Mechanical Engineering**: Basic Engineering Mechanics | Mechanics of Solids | Dynamics | Thermodynamics | Mechatronics
- **Electronics and Electrical Communication Engineering**: Electrical Technology, Basic Electronics, Basic Electronics Laboratory
- **Computer Science**: Programming and Data Structures (Theory and Lab) | Machine Learning Foundation and Applications
- **Others**: Fundamentals of Embedded Control and Software, Physics of Waves, Science of Living Systems, Environmental Science