

## ACADEMIC QUALIFICATIONS

Institution	Degree	Performance	Year
IIT Kharagpur	B. Tech in Chemical Engineering	<b>8.82/10</b>	2019
Delhi Public School, Ranchi	CBSE (Class 12 <sup>th</sup> )	<b>93.60%</b>	2014
St. Thomas School	ICSE (Class 10 <sup>th</sup> )	<b>94.28%</b>	2012

## ACADEMIC HONOURS AND ACHIEVEMENTS

- Among **top 5%** of the batch to secure department change to Chemical Engineering based on freshmen year academic performance
- Secured a zonal rank of **16** among 600+ students in National Cyber Olympiad in 2013 conducted by Science Olympiad Foundation
- Secured All India Rank of **4888** in JEE Advanced 2015 conducted by the Joint Admission Board among 2 lakh+ candidates
- Secured **10/10** in **9/39** courses in Department of Chemical Engineering while securing **9+** CGPA in **2/6** semesters

## INTERNSHIPS / PROJECTS

**Deloitte Touché Tohmatsu India LLP | Gurgaon, India | Technology Consulting** May – July 2018

- Worked with the **GUIDE**: Power Department of the Consulting Function of Deloitte India in Gurgaon on two high- profile live projects which involved the bilateral collaboration of **Government of India** and **Government of United States of America**
- Developed the **Product Optimization Tool** for the benefits estimation of Reserves Power Market under **RISE Greening the Grid** program
- Developed the **python**-based toolkit for day ahead scheduling and Long-Term Planning and Procurement of the Indian Power Market

**Emami Agrotech Limited | Kolkata, India | Supply Chain Management** May – July 2017

- Assisted the Supply Chain Division of EAL on projects titled "**Minimizing Loss of Sales in HBC Business**" and "**Warehouse Networking**"
- Applied **Six Sigma** tools and techniques to find the most prominent reason for delay and impact of low truck utilization on the process
- Designed a Excel VBA model to find most efficient warehouse network model in the post GST scenario in terms of connectivity and cost

**AIESEC Russia | Yekaterinburg, Russia | Exchange Participant** May – July 2016

- Assisted AIESEC Russia in Global Community Development Program "Generation 2030" to promote Global Goal set by the **United Nations**
- Worked under team **Health Care** to promote the social cause of healthy life style by organising marathon, yoga and dance workshops
- Addressed more than **500** people at the Youth Speak Forum held at Ural Federal University, Yekaterinburg on role of healthy life style
- Presented Indian Culture and tradition in front of interns from **7** countries at the Global Village held at Yekaterinburg, Russia

**Bachelors Thesis Dissertation | IIT Kharagpur, India | Financial Analytics** March 2018 – Present

- Investigated the method to calculate the auto correlation involved between the tick by tick data of high frequency domain
- Derived risk neutral density surface for analyzing financial market dynamics and traders' attitude from the high frequency data available
- Predicted the price for the stocks using the stochastic partial differential equation and used it to price the options

## POSITIONS OF RESPONSIBILITY

**Spring Fest: The Annual Social and Cultural Fest of IIT Kharagpur, with a budget of INR 1.4 crore** 2015 – 2018

**Steering Committee Member, Spring Fest 2019** 2018-Present

- Part of a **17-member advisory** team responsible for overseeing overall functionalities and taking strategic decisions of the fest
- Steering the overall events facet of the fest by conceptualizing, planning and executing **90+** events spanning **10** event genres

**Events Head and Web Coordinator, Spring Fest 2018** 2017 – 2018

- Member of apex body responsible for leading **27** core organising team members, **40** associate members and **200** crew members
- Single-handedly responsible for the formulation, planning and execution of the dance, fine arts and culinary genres of the fest
- Co-led a team of **8** web sub-heads, **4** associate members and **10** crew members for registration and hospitality of **3800+** guests
- Restructured culinary, fine arts and dance genre of Spring Fest resulting in a **210%, 15%** and **30%** increase in participation respectively
- Coordinated the **12-member** tech team responsible for creating the website, mobile application and registration portal for the fest

**Core Organising Team Member, Spring Fest 2017** 2016 – 2017

- Coordinated sponsorship drive in Mumbai raising **INR 9.17 lakhs**, a **17% YoY** increase to INR 7.84 lakhs in the previous year
- Successfully planned and executed **1** flagship event and **4** other events as Netaji Auditorium attaché during the fest which saw a combined participation of over **600** students from various colleges of India
- Spearheaded the publicity campaign in Jharkhand, India leading to a **29% YoY** increase in participation from various colleges

**Associate Member, Spring Fest 2016** 2015 – 2016

- Publicized the fest extensively in Jharkhand resulting in a **128% YoY** increase in participation from different regional colleges

**Chemquest: The Chemical Engineering Design Competition of IIT Kharagpur** 2018

**Captain, Chemquest, 2018** 2018

- Led a **20-member** team of Rajendra Prasad Hall of Residence to secure **Silver** in Inter Hall Chemquest Championship, 2018
- Formulated an algorithm to design a Bio-gas plant which would utilize mess waste of IIT Kharagpur to produce energy

## EXTRA-ACADEMIC ACTIVITIES

<b>Social</b>	<ul style="list-style-type: none"> <li>Organized the <b>Organ Donation Camp</b> in association with Spreading Hope Foundation in Spring Fest, 2018</li> <li>Volunteered in the <b>Blood Donation Camp</b> organized by Spring Fest, 2018</li> </ul>
<b>Conference</b>	<ul style="list-style-type: none"> <li>Selected as a delegate to attend the <b>Asia Investment Banking Conference</b>, 2018 to be held in Hong Kong</li> </ul>
<b>Cultural</b>	<ul style="list-style-type: none"> <li>Bagged <b>Gold</b> in inter hall Illumination for 2 consecutive years for creative portrayal of Indian history</li> <li>Part of the <b>Silver</b> winning Inter Hall Rangoli team of Rajendra Prasad Hall of Residence</li> </ul>
<b>Interests</b>	<ul style="list-style-type: none"> <li>Interests in Painting, Sketching, Graffiti Making, Photography and playing guitar</li> </ul>