PROFESSIONAL EXPERIENCE

Data Analyst | **Gupshup.io** | Summer Internship   *May'21 - Jul'21*
- Compared **5** data warehousing & visualization services and selected the best one for the company
- **Refactored** the Java code for automatically uploading data from Whatsapp on Apache Druid
- Collaborated with colleagues from analytics department & created visualizations using **Metabase**

POSITIONS OF RESPONSIBILITY

Department Academic Mentor | Chemical Engineering | IIT Bombay   *May'21 - Present*
- One amongst **32** mentors selected out of 80 applicants through an extensive interview and peer reviews
- Providing a positive environment to enhance the academic performance and involvement of mentees
- **Redesigned** the Chemical Engineering DAMP website and uploaded new academic resources

Communications Manager | Team Shunya | IIT Bombay   *Jan'21 - Present*
A team of passionate students focused on building a sustainable future by innovating the field of Housing
- Achieved **worldwide second** position in the Attached Housing division of **Solar Decathlon 2021**
- Managing the team website, social media handles along with planning and publicity of team events
- Organized an interactive talk-session on the topic, **"Health and Wellness"** which had **50+** attendees

Technical Secretary | Hostel 9 | IIT Bombay   *Sep'20 - Mar'21*
- Awarded **Organizational Special Mention** for exceptional contribution to the role during the tenure
- Hosted the Technical General Championships and handled technical events for **400+** hostel inmates
- Represented Hostel 9 in the Institute Technical Meets on behalf of the Hostel Technical Councillor

Marketing Coordinator | E-Cell | IIT Bombay   *Aug'20 - May'21*
Asia's largest Entrepreneurship promoting student body by NEN | Patronage from UNESCO
- Working with a 20-membered team, ideated the deliverables to fit in the online ecosystem
- Responsible for exploring strategic association with the **top-ranking** corporates in **Insurtech**
- Assisted in closing **sponsorship deals** to facilitate the execution of E-Cell event, **E-Summit**
- Ideating and executing multiple publicity campaigns to increase the reach of E-Cell event Eureka!

SCHOLASTIC ACHIEVEMENTS

- Achieved perfect **10 CGPA** in the All India Secondary School Examination by CBSE   *May'19*
- Amongst top **80** students slected from a district to attend Jawahar Navodaya Vidyalaya   *Jul'12*
- Secured **Rank 5** in Maharashtra state in the Maharashtra Talent Search Examination   *Mar'10*

EXTRA-CURRICULARS

Social	• Carried out **80 hours** of community service as a volunteer of NSS, IIT Bombay • Tutored students of 8th, 9th and 10th standard at various **BMC schools of Mumbai**
Technical	• Secured **first position** in inter-hostel Tinkerers' Lab Technical General Championship
Sports	• Successfully completed the **4.2 km** marathon run twice in the Crossy Sports GC

TECHNICAL PROJECTS

Developing data-based Performance Indicators for Cricket   *May'21 - Present*
Summer Research Project | Guide: Prof. Amuthan Ramabathiran, Prof. Abhijit Gogulapati
- Performed a detailed **exploratory** data analysis of Indian Premier League data from **2008-2020**
- Developed **metrics** to assess performance of batsmen and bowlers in **different phases** of a match
- Designed and implemented a **rating system** for Cricket teams analogous to **Elo** ratings in Chess

Thermal Analysis of Laptop Components   *Jan'21 - May'21*
Course Project | Guide: Prof. P Sunthar, Prof. Venkat Gundabala
- Designed a **3D thermal model** with fans, heat sinks and fins to minimize heating issue of laptops
- Achieved GPU chip temperature of **48°C**, **54.3 %** lower than the maximum allowed temperature

Types of Fuel Cells and their Commercial Applications   *Feb'21 - Mar'21*
Course Project | Guide: Prof. Jhumpa Adhikari
- Studied about the principal features and efficiency of 7 types of fuel cells along with their applications
- Derived and compared their efficiencies and checked validation of the second law of Thermodynamics

Applications of Numerical Analysis   *Nov'20 - Dec'20*
Course Project | Guide: Prof. Sarika Mehra
- Solved the Van der Pol equation using 4th order **Runge-Kutta** and **Adam Bashforth** methods
- Compared the two algorithms based on the stability, accuracy, number of steps and computation time

Technical Analysis vs Fundamental Analysis   *May'21 - Present*
Finsearch Project | Finance Club, IIT Bombay
- Studied the roles of Technical and Fundamental analysis in predicting value of a stock for investment
- Analysing and comparing profitability of these methods on the stock price of Hindustan Uniliver Ltd

Social Distancing Violation detection using YOLOv3   *May'21 - Jul'21*
Summer Group Project, IIT Bombay
- Applied state of art **YOLOv3** to get coordinates of the person and used **NMS** to enhance performance
- Utilised **OpenCV** for displaying detected violations and calculating euclidean distance (pixel-plane)

MOOC'S & OTHER PROJECTS

Certified Marketing Analytics Practitioner	*Henry Harvin Education*	*Mar'21*
COVID-19 Data Analysis using Python	*Coursera Guided Project*	*Sep'20*
Multiple Linear Regression using Scikit Learn	*Coursera Guided Project*	*Sep'20*
Introduction to Data Analysis using Excel	*Rice University	Coursera*	*Aug'20*

COURSES UNDERTAKEN

Core Courses	Other Courses	
Thermodynamics	Computer Programming & Utilization	Differential Equations
Process Fluid Mechanics	Engineering Graphics & Drawing	Linear Algebra
Heat Transfer	Electricity and Magnetism	Calculus
Transport Phenomena	Quantum Physics and Application	Physics Lab
Introduction to data analysis	Inorganic & Organic Chemistry	Psychology
Numerical Analysis	Introduction to Entrepreneurship	Economics
Computational Methods Lab	Physical Chemistry	Biology

TECHNICAL SKILLS

Programming Languages	C++, Java, Python, R, HTML, CSS, SQL
Operating Systems	Windows, Ubuntu (Linux)
Other Softwares and tools	Excel, MATLAB, Git, Github, AutoCAD, LaTeX
Integrated Development Environments	PyCharm, IntelliJ IDEA, VS Code, Jupyter Notebook