



**Civil Engineering**  
**Indian Institute of Technology Bombay**

**B.Tech.**  
**Gender: Male**  
**DOB: 08/06/2003**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	7.38
Intermediate	CBSE	██████████, New Delhi	2020	90.00%
Matriculation	CBSE	██████████, Narora	2018	95.00%

## SCHOLASTIC ACHIEVEMENTS

- Pursuing a Dual Minor in **Computer Science & Energy Science** department at IIT Bombay (Present)
- Secured a rank in top **2** percentile in JEE Advanced among over 0.15 million candidates (2020)
- Secured **99.01** percentile in JEE Main Examination among over **1 million** candidates (2020)
- Secured **90%** in the class XII CBSE Board Examinations (2020)
- Scored a **perfect 80** out of 80 in Mathematics theory paper of class XII CBSE Board Examination (2020)
- Secured **95%** in the class X CBSE Board Examinations (2018)
- Awarded Certificate of Honour in Academics for **10** consecutive years in classes I-X for excellent academic performance (2008-2018)

## INTERNSHIP

**IT Operations Intern | ClearExam Learning Pvt. Ltd.** (Jun'22 - Jul'22)  
*National Level Entrance Exam Preparation & EdTech Company in Delhi | 10+ years of coaching experience*

- Learnt about the **work culture** at ClearExam and its expansion over the years including its future goals
- Assisted the project managers by making slides in Google slides using content from given Google sheets

**DSA Mentor Intern | 10x Academy (BDFL Technologies Pvt. Ltd.)** (Dec'22 - Present)  
*Modern day coding school | Focused on holistic career training and placement support*

- Conducting 1:1 Approach Correction sessions and improved the problem solving skills of students
- Resolved doubts and guided students to solve problems during Practice sessions on slack

## KEY PROJECTS

**Nuclear Reactors | Summer of Science** (May'21 - Jul'21)  
*Maths and Physics club | Institute Technical Council*

- Learnt about basic **reactor physics**, working and structure of a nuclear reactor
- **Analysed** all the generations of nuclear reactors and learnt about their future uses
- Tried understanding role of **second lowest** carbon footprint source of energy i.e. nuclear energy in meeting energy demands of future world

**Advances in Nuclear Fusion | Summer of Code** (May'22 - Jul'22)  
*Web and Coding club | Institute Technical Council*

- Analysed nuclear fusion related **research papers** and summarised the scientific and technological strides in it
- Learnt Python and MATLAB in detail for **data analysis and plotting** involved in analysis of research papers

**Precipitation Prediction System using ML | Winter in Data Science** (Dec'22 - Jan'23)  
*Analytics club | Undergraduate Academic Council*

- Developed an ML model using multiple ML Algorithms which predicts whether precipitation will occur or not
- Used oversampling to handle class imbalance and normalised the data
- Used **pandas** framework for importing data, used **chi-squared test** for feature selection and performed **EDA**

## RELEVANT COURSES UNDERTAKEN

- **Fundamentals of Energy: Foundation to a Sustainable Future | Learners' Space** (Jul'22)  
*Energy club | Institute Technical Council*
- **Entering Financial Markets | Learners' Space** (Jul'22)  
*Finance club | Undergraduate Academic Council*
- **Data Science Bootcamp | Winter in Data Science** (Dec'22)  
*Analytics club | Undergraduate Academic Council*

## POSITIONS OF RESPONSIBILITY

### Operations and Logistics Coordinator | Mood Indigo, IIT Bombay

(May'21 - Jan'22)

51st edition of Asia's largest College Cultural Festival | 1,00,000+ viewership | 100+ events | 2000+ colleges

- Handled logistics issues and emergency situations during the execution of 51st edition of the festival
- Ideated security measures to follow during festival to overcome the Covid repercussions and ensure public safety
- Negotiated with vendors for the procurement of walkie-talkies for the successful coordination among the team during the festival

### Smartpitch Coordinator | the flagship event of Aakaar

(Oct'21 - Mar'22)

Asia's largest civil engineering department fest

- Part of the team responsible for contacting startup incubating bodies and investors for the competition
- Acting as a Point of contact to **10+** startups and ensuring that there is smooth communication
- Ideating and planning the flow of the actual pitching event during Aakaar

## TECHNICAL SKILLS

- **Programming:** C++, MATLAB, HTML, Python, CSS
- **Software:** Microsoft Office, L<sup>A</sup>T<sub>E</sub>X, AutoCAD, ETABS

## EXTRACURRICULAR ACTIVITIES

- Visited **Rawatbhata Rajasthan Site**, Unit of NPCIL and studied the functioning of different sections (2022)
- Successfully completed an year-long training under **National Cadet Corps**, 2 MAH ENGR REGT (2021)
- Completed **Finding the Leader in You**, 1 month Scholar program and developed skills like Conscientiousness, **Innovativeness**, **Initiative**, Perseverance and **Problem Solving** through a change of mindset (2021)

## COURSES UNDERTAKEN

Core Courses	Other Courses
Structural Mechanics I & II Applied Hydraulic Engineering Hydraulic Engineering Lab Engineering Survey Engineering Survey Practical Fluid Mechanics Fluid Mechanics Lab Solid Mechanics Solid Mechanics Lab Building Materials and Construction Engineering Mechanics Transportation Engineering I & II* Transportation Engineering Lab Structural Design I & II* Geotechnical Engineering I & II* Geotechnical Engineering Lab I & II* Applied Geology for Civil Engineers* Estimation and Materials Testing Laboratory*	Operating Systems Logic for Computer Science Computer Programming and Utilization Economics Environmental Studies: Science and Engineering Physical Chemistry Organic & Inorganic Chemistry Biology Basics of Electricity and Magnetism Linear Algebra Calculus & Differential Equations Quantum Physics and Application Electrical & Electronic Circuits Engineering Graphics & Drawing Introduction to Renewable Energy Technologies Learning Analytics and Educational Data Mining Psychology Power Generation and System Planning* Hydrogen Energy* Numerical Methods in Civil Engineering*

\* courses to be completed by April 2023