SCHOLASTIC ACHIEVEMENTS

- Pursuing a Minor in Computer Science and Engineering at IIT Bombay (2020)
- Presently Department Rank 1 in 2019-24 batch of Energy Science and Engineering, IIT Bombay
- Currently holding an AA grade (equivalent to 10/10) in all Energy Science core courses
- Secured Percentile 99.21 in JEE Advanced 2019 Examination held for more than 2.4 lakh candidates (2019)
- Secured Percentile 99.81 in JEE Main 2019 Examination, competing with over 13 lakh candidates (2019)
- Recipient of the KVPY'18 and KVPY'19 Fellowships for standing in top 2 percent nationally (2018,19)
- Achieved a national 1% rank in National Standard Examination In Junior Sciences (NSEJS) (2016)
- Subsequently qualified for Indian National Junior Science Olympiad (INJSO) and
 - Indian National Astronomy Olympiad (INAO) conducted for merit-list state toppers of NSEJS
- (2017)• Scored the maximum possible marks (100/100) in Mathematics at the ICSE board examination (2017)

Positions of responsibility

Class Representative | DESE, IIT Bombay

(Aug 2020 - Present)

(2020)

(2020)

- Unanimously elected as the Class Representative by the students of Energy Sciences 2024 batch
- · Catering to the interests and concerns of students regarding events and courses related to the department

Pronites Coordinator | Mood Indigo, IIT Bombay

(May 2020 – Present)

- Working in a team of 60, responsible for smooth execution of concerts attended by a total crowd of 100K+
- Conceptualizing and Organizing Livewire a gig series for active semi-professional bands in 10+ cities of India
- · Incentivised participation by negotiating deals with international cultural academies and professional institutes

Teaching Assistant | IIT Bombay

(Nov 2020 - Present)

Department of Mechanical Engineering, IIT Bombay

- Responsible for mentoring a batch of 170+ freshmen for the course Engineering Graphics and Drawing
- Tutored students about problem solving using hand drafting and preparing solutions using CAD software
- Evaluated answer scripts of 170+ students biweekly and boosted students' performance by giving regular feedback

KEY PROJECTS

Content Development

(January 2021)

E-Learning Project with Symphony IITB

- Ideated content to serve interested freshmen and general enthusiasts for electric guitar patch making
- Executed ideas which are projected to cut costs for Summer School of Cult by more than 1 lakh rupees
- · Established a system which guides all levels of guitar enthusiasts and aims to improve the institute's music culture

Seasons of Code (SoC)

(May 2020 - Present)

Summer Open-Source Programming Project with WnCC IITB

- · Built a real time atmospheric renderer engine solely using OpenGL API with open source methods and tools
- Developed multiple GLSL shaders to model atmospheric scattering algos for a procedurally generated planet
- Designed lighting models and experimented with different approximations to simulate smooth light mapping
- Researched multiple papers on terrain generation and currently working on scattering algorithm optimisation

Delay Pedal Circuit - PT2399 Based

(December 2020)

EN209 Course Project | Guide: Dr. Rajesh Gupta

- Designed a delay pedal circuit, running simulations of time based delay effects; based on the PT2399 IC
- Collaborated in a team of two to prepare a report and presentation on the designed circuitry and device

Technical Skills

- Programming: C++, Git, R, Python, Java, C#, JavaScript, HTML, CSS, GLSL, MATLAB
- · Software: Microsoft Office, Reaper, Unity, AutoCAD, SolidWorks, LATEX

Extracurricular Activities

- Achieved 2nd position in Goonj'20 (Music GC) as a guitarist and part of the Hostel 5 contingent (2020)
- Awarded the mantle of Best Lead Guitarist and consolidated 3rd position at Music Arcade '20 (2020)
- Performed at Surbahaar, IIT Bombay's flagship music event for an audience of 2000+ with 75+ artists (2019)
- Completed a year-long training in Violin under the National Sports Organization (Culturals) (2020)
- Conceptualized an article for **Insight IITB** on changing institute culture, working with a panel of 6 editors (2020)
- Consolidated 3rd position in Street Dance at Cascade'16, India's largest interschool competition (2016)
- Led the school contingent for Bournvita Quiz Competition, competing with other schools in Mumbai (2014)