ACADEMIC ACHIEVEMENTS

- Awarded the **AP** grade in CS 101 (Computer Programming and Utilization) at IIT Bombay, a grade awarded to fewer than 1% of the students taking the course.   *(2018)*

- Achieved an All-India Rank of **595** out of 1,000,000 participants in **JEE (Main) 2018**, conducted by the National Testing Agency, Govt. of India   *(2018)*

- Achieved an All-India Rank of **742** out of 165,000 participants in **JEE (Advanced) 2018**, conducted by IIT Kanpur, under the Joint Admission Board, Govt. of India.   *(2018)*

- Secured a seat in **Chennai Mathematical Institute (CMI)** on the basis of my performance in its entrance exam.   *(2018)*

- Secured an All-India Rank of **147** in **Kishore Vaigyanik Protsahan Yojana (KVPY) 2017**, in SX stream, and thereby a recipient of the KVPY fellowship offered by the Indian Institute of Science (IISc), initiated by the Department of Science and Technology, Govt. of India.   *(2017)*

ACADEMIC INTERESTS AND KEY COURSES TAKEN

- Pursuing a minor degree in Computer Science Engineering.

- Pursuing an honours degree in Mathematics.

MATHEMATICS	Calculus, Linear Algebra, Ordinary Differential Equations, Real Analysis*, Basic Algebra*, Combinatorics*, Basic Number Theory*
COMPUTER SCIENCE	Computer Programming and Utilisation, Logic for CS*
PHYSICS	Basics of Electricity and Magnetism, Quantum Physics and Applications

Courses marked with * will be completed by end of November 2019.

TEACHING

- Entrusted with the responsibility of being a TA for the course MA 105 - Calculus.   *(2019)*

- Was a speaker for an introductory session on Python conducted by the PG Academic Council aimed at the students of the Mathematics Department, IIT Bombay.   *(2019)*

- Conducted two TSCs (Tutorial Service Centre) for teaching concepts of MA 105 and helping in solving doubts, oragnised by the Student Support Services, IIT Bombay.   *(2019)*

- Conducted a TSC for teaching concepts of CS 101 and helping in solving doubts, oragnised by the Student Support Services, IIT Bombay.   *(2019)*

- Conducted a help session on *proof-writing* for fellow classmates upon request by instructor. *(2018)*

- Was a speaker for two help sessions for CS 101 conducted by the PG Academic Council. *(2018)*

- Completed 80 hours of community service by teaching in NGOs as a volunteer of National Service Scheme, IIT Bombay.   *(2018-2019)*

- Mentored a team of students at the Code Camp organised by CodePrompt, Internet Academy in association with the Web and Coding Club, IIT Bombay. *(2018)*

READING PROJECTS

Topology - Classification of Surfaces *(2019)*

Completed the reading project under the mentorship of a senior student at IIT Bombay under the Summer of Science initiative by the Maths and Physics Club, IIT Bombay. Made a report based on what was read which was selected to be awarded by a Certificate of Merit by the Club.

The report starts with an introduction to topology and then moves on to classifying connected, compact 2-dimensional manifolds into three categories- the sphere, connected sum of tori, and connected sum of projective planes.

Geometric Algebra by Emil Artin *(2019)*

Read the first chapter of this book under the guidance of Professor Shripad Garge. This chapter covers many crucial notions from different areas of mathematics including group theory, ring theory, vector spaces, and fields.

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant,** Course: MA 105 - Calculus *(2019)*
  Instructor: Professor Sudhir Ghorpade, Mathematics Department, IIT Bombay

  - Responsible for conducting tutorial sessions for a batch of 50 students throughout the course and helped them clear conceptual doubts through personal interaction.

  - Assisted in correction of answer sheets.

  - Created a webpage containing compilation of personal solutions, extra questions, and extra relevant resources which was available to all of 1100+ freshmen.

- **Convener,** Maths and Physics Club, IIT Bombay *(2019)*

  - Conducted activities with a team of 6 others to foster enthusiasm in mathematics and physics, tending to a community of 400 - 500 in campus with an online presence of over 8000.

  - Worked in conducting of Summer Of Science 2019, a novel initiative through which over 400 students got an opportunity to purse a reading project in a topic of their interest, under the guidance of over 120 student senior mentors.

  - Conducted the quizzing event Bazinga! Maths which involved hosting as well as creating the question paper for the same.

EXPOSURE

Vijyoshi Camp

IISc Bangalore, India *(2018)*

Attended the annual National Science Camp to provide a forum for interaction between bright young scientists and leading researchers in various branches of science, organized by Kishore Vaigyanik Protsahan Yojana, IISc, along with IISER Kolkata and the Department of Science and Technology, Govt. of India.

TECHNICAL SKILLS

LANGUAGES	LaTeX, Java, C++, Python, HTML, CSS, Markdown, Jekyll, Git
TEXnical skills	tikz, tikz-cd, beamer presentations
SOFTWARES	AutoCAD, SolidWorks