# 1 Educational Qualification

| Name of Institution | CPI/ Percentage | Year of Graduation |
|---|---|---|
| St. Mary's ICSE School, Koparkhairane | 98.6 % | 2018 |
| Ryan International School, Sanpada | 97.8 % | 2020 |
| Indian Institute of Technology, Bombay | 10.00 | Ongoing |

# 2 Academic Achievements

- Bagged an **All India Rank of 1** in *IIT-JEE Mains*    *Year 2021*

- Bagged an **All India Rank of 396** in *IIT-JEE Advanced*    *Year 2021*

- Qualified for **Stage-II** of the Indian Astronomy Olympiad    *Year '20 & '21*

- Secured a **All India Rank 114** in SX Category of the KVPY Exam    *Year 2020*

- Secured a **All India Rank 360** in SA Category of the KVPY Exam    *Year 2021*

- Achieved a **Change of Branch** to the **Department of Computer Science and Engineering** among 17 out of 1500+ students due to commendable scholastic performance during first year    *Year 2021*

- Scored 445 marks out of 450 in BITSAT    *Year 2021*

- Secured an **AP Grade** in:    *Autumn 2021*

    - **EE 113**, for excellent performance in Introduction to Electrical Engineering Practice, awarded to 3 out of 196 students taking the course.

    - **CH 107**, for excellent performance in Physical Chemistry, awarded to 15 out of 1500+ students taking the course.

- Secured an **AP Grade** in:    *Spring 2021*

    - **PH 108**, for excellent performance in Basics of Electricity  Magnetism, awarded to 12 out of 1500+ students taking the course.

    - **ME 119**, for excellent performance in Introduction to Electrical Engineering Practice, awarded to 2 out of 1500+ students taking the course.

**Atharva Abhijit Tambat**    **Year**: Sophomore    **CPI**: 10.00
Department of Computer Science & Engineering    **Roll Number**: 210070014
**Program**: B.Tech 4 Year    **DOB:** $26^{th}$ February, 2003

# 3 Projects

- **Tech Team: Mars Rover Team** *Year 2021 - present*

  1. A **student initiative** at IIT Bombay to build a **prototype Mars rover** capable of extra-terrestrial robotics.
  2. Part of the **Electronics and Software Subsystem** of the team.
  3. Work till now was focused on learning the basics of
     - **ROS:** A meta-operating system for controlling a robot.
     - **Gazebo:** used for the simulation of the rover and real environments.
     - **Image processing and Hardware:** Edge detection, detection of Aruco Markers, and controlling a robot using joystick.

- **WnCC's Summer of Code: An Introduction to QC, ML, QML** *Year 2022*

  1. Read extensive theory about **Quantum Computing** from the book QCQI and about **basics of ML**.
  2. Implemented various famous Algorithms - Shor's Algorithm, Grover Search (QC) and classification and regression on MNIST data-sets in **Python**
  3. Implemented a **Quantum Machine Learning Research Paper** in **Python**.

# 4 Technical Skills

- **Programming:** C++, Python (and Z3), MATLAB, VHDL, Java

- **Web Development and Databases:** HTML, CSS, JavaScript, SQLite, Django

- **Office Tools:** LATEX, svn, git, AutoCAD, SolidWorks

# 5 Hobbies

- **Sports:** Table Tennis, Hockey

- **Drawing**