**Aditya Iyengar**                                                    180100007
**Mechanical Engineering**                                            UG Second Year
**Indian Institute of Technology Bombay**                             Male
**Specialization: -**                                                 DOB: 31 August 2000

| Examination | University | Institute | Year | CPI / % |
|---|---|---|---|---|
| Graduation | IIT Bombay | IIT Bombay | 2020 | 0.00 |
| Intermediate/+2 | Maharashtra State Board | Late P. Jog Junior College | 2018 | 94.62 |
| Matriculation | ICSE | Hutchings High School | 2016 | 98.80 |

Pursuing **Dual Minor in**
- **Systems and Control Engineering**
- **Industrial Engineering and Operations Research**

# Scholastic Achievements

- Secured **All India Rank 134** in **JEE (Main) 2018** out of 1.1 million students and **All India Rank 511** in **JEE (Advanced) 2018** out of 0.25 million students
- Scored **414 out of 450** in **BITSAT 2018**
- Secured **98.8** in **ICSE March 2016**, ranking **3rd** in the country among 170,000+ students
- Awarded the prestigious **KVPY Scholarship 2016** in the SA stream achieving an **All India Rank** of **293**
- Awarded **Silver Medal** in the **Dr Homi Bhabha Balvaidnyanik Competition** in 2012 and 2015

# Technical Activities

**Electrical Trainee — IIT Bombay Racing**                         *January 2019 - June 2019*
- Among **30+ freshmen** selected to study the working of IIT Bombay's award-winning Formula Student **electric race car** *EvoK* as applied to the following subsystem modules:

    · **High Voltage Safety**
    · **System Integration**
    · **Controller Area Network**

**Bluetooth Controlled Car — Electronics and Robotics Club, IIT Bombay**        *August 2018*
- Built an **obstacle-manoeuvring robot** from scratch by designing the circuit using **IC L293D**, **ATTiny** and **IC 7805** that successfully negotiated obstacles using **Bluetooth Module HC-05**

# Technical Proficiencies

- **Programming Languages**: C++, Java, Python
- **Software Packages**: SolidWorks, MATLAB, Microsoft Office, LaTeX, AutoCAD
- **Web Development**: HTML
- **Mechanical Workshop**: Drilling, Fitting, Shaping, Lathe, Milling, Soldering, Welding
- **Languages Spoken**: English, Hindi, Marathi, Tamil
- **Key Strengths**: Quick learner, flexible and adaptable, strong communication, interpersonal and leadership skills

# Important Courses

- **Science**: Differential Equations, Linear Algebra, Quantum Physics, Electromagnetic Theory, Economics*
- **Engineering**: Fluid Mechanics*, Solid Mechanics*, Structural Materials*, Thermodynamics*
- **Laboratory Courses**: Engineering Graphics and Drawing
- **Minor**: Mathematical Structures for Control*, Introduction to Stochastic Processes*
  (* - To be completed by November 2019)

# Positions of Responsibility

**Convener — Literati, IIT Bombay** *April 2019 - present*
- In charge of ideating and curating content for **quizzes**, **word games** and other literary events in the institute attended by **200+ people** as well as ensuring their promotion and smooth conduct
- Coordinating with **9stacks.com** to organize IIT Bombays **largest-ever Poker Workshop and Tournament**
- Maintained and created content for **two summer blogs** encompassing word games and quizzing that garnered **50,000+ hits** over three months

**Teaching Assistant — Mathematics Department, IIT Bombay** *June 2019 - July 2019*
- Among five undergraduate students selected to assist Prof. G. K. Srinivasan in **mentoring** and **monitoring** the performance of **20 academically underperforming students** for the course **MA 108: Ordinary Differential Equations** over the Summer Term 2019
- Evaluated answer scripts and liaised with the Mathematics Department to conduct three two-hour tutorial sessions to discuss concepts and problems whilst addressing the students doubts

**Horizons Coordinator — Mood Indigo** *April 2019 - Present*
- Inviting **20+ artists from 4 countries** to exhibit international performances at Mood Indigo 2019 - Asias largest college cultural festival with a **footfall of over 143,000**
- Ideating and structuring **Eloquence**, the flagship **Literary Arts Festival** of Mood Indigo 2019, by spearheading a team of **15+ organizers** to execute events during the festival

**Competitions Organizer — Techfest, IIT Bombay** *December 2018*
- Organized Meshmerize, an **international Line Follower Robot competition** during Techfest 2018, interacting with **100+ participants** in the process

# Extracurricular Activities

- **Scrabble at National and International Level**
  - **Invited to represent India** as a part of the **7-member** Indian contingent at the WESPA **World Scrabble Championships 2019** at Goa, India
  - **Qualified to represent India** at the **World Youth Scrabble Championships** in 2013, 2014, 2016 and 2017, setting a **national record** by **finishing 5th in the 2016 edition** in Lille, France
  - Currently **ranked 6th in India** by the Scrabble Association of India

- Among the **400 students out of over 100,000** awarded the **Times Spark Scholarship** in 2018 issued by the Times of India **worth Rs. 100,000**

- **Community Service — National Service Scheme, IIT Bombay**
  - Completed **80 hours of community service** under the Sustainable Social Development wing including organizing cloth and stationery collection drives in the institute with a reach of **1000+ respondents**
  - Visited schools in Mumbai to interact with students and spread awareness about globally relevant topics such as Ocean Pollution and Climate Change

- Finished among the **top 16** in India at the **Classmate Spell Bee 2014**, qualifying for the **National Finals** that was telecast on Discovery Channel
- **Ranked 14th** in the **Technothlon International School Championships 2015** organized by **IIT Guwahati**, was invited for the finals in Guwahati and claimed the **First Position** in *'Break the Black'*, one of the three Finals events during **Techniche, IIT Guwahati 2015**
- Secured **First Position** in 2016 and **Second Position** in 2015 at the **BSE International Financial Olympiad** held at **Bombay Stock Exchange, Mumbai**
- Bagged the **First Position** in the Pune round of the **Vodafone Derek's Faster Smarter Better Challenge** conducted by **Mr Derek O'Brien** in 2013 as well as 2014
- Participated in the **US-India School Exchange 2014** conducted by the Center for International Understanding at **The University of North Carolina**
- Completed the **Summer of Sports** course in **Table Tennis** at IIT Bombay during the summers of 2019