



Aditya Iyengar
Mechanical Engineering
Indian Institute of Technology Bombay
Specialization: -

180100007
UG Second Year
Male
DOB: 31 August 2000

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2020	8.70
Intermediate/+2	Maharashtra State Board	Late P. Jog Junior College	2018	94.62
Matriculation	ICSE	Hutchings High School	2016	98.80

Pursuing a **Minor** at the Department of **Computer Science and Engineering**, IIT Bombay

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

Project — THTF Lab IIT Bombay

November 2019 - present

- Working at the **Thermal Hydraulic Test Facility** at IIT Bombay, under the supervision of Prof. Arunkumar Sridharan, to design a **fluid flow calibration system**

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** and **Controller Area Network**.

Bluetooth Controlled Car — Electronics and Robotics Club, IIT Bombay

August 2018

- Built an **obstacle-maneuvring 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, R, MATLAB
- Software Packages:** SolidWorks, Arduino, Microsoft Office, LaTeX, AutoCAD, Octave, Ansys CFD
- Web Development:** HTML, CSS, Javascript
- Mechanical Workshop:** Drilling, Fitting, Shaping, Lathe, Milling, Soldering, Welding
- Languages Spoken:** English, Hindi, Marathi, Tamil
- Key Strengths:** Quick learner, flexible, adaptable, strong communication, interpersonal and leadership skills

IMPORTANT COURSES

- Science:** Numerical Analysis*, Differential Equations, Linear Algebra, Quantum Physics, Electromagnetic Theory, Economics
 - Engineering:** Strength of Materials*, Mechanical Measurements*, Structural Materials, Thermodynamics
 - Laboratory Courses:** Solid Mechanics*, Fluid Mechanics*, Manufacturing Practices*, Engineering Graphics and Drawing
 - Miscellaneous:** Machine Learning*, Optimization*, Mathematical Structures for Control, Introduction to Stochastic Processes
- (* - To be completed by May 2020)

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

- Invited **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**
- Ideated and structured **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**
- **Captained** the IIT Bombay Wordgames Team at the **4th Inter IIT Cultural Meet 2019** and was part of a contingent that stood **3rd in Literary Arts** and **2nd overall**.
- **Community Service — National Service Scheme, IIT Bombay**
 - Completed **80 hours of community service** under the Sustainable Social Development wing, 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**