Unnishankar Jayaprakash | **150100015**
Mechanical Engineering | **UG Second Year**
Indian Institute of Technology Bombay | **Male**
Specialization: B Tech | **DOB: 10/01/1997**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2017	8.32
Intermediate/+2	HSC	PACE Junior Science College, Thane	2015	94.00
Matriculation	ICSE	St. Gregorios High School	2013	95.33

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 434 (Top 0.1 percent)** in **JEE Advanced** among 1.5 lakh students *(2015)*
- Achieved **All India Rank 306(Top 0.02 percent)** in **JEE Main** among 15 lakh students *(2015)*
- Scored **382/450** marks in **BIT-SAT 2015** *(2015)*
- **AA grade** in **Engineering Graphics and Drawing** (stood 11th out of 450 students) *(2015)*
- Awarded **INSPIRE** award for being in the **top 1 percent** of HSC Board Examination, Maharashtra *(2015)*
- Currently pursuing a **Minor degree** in **Humanities and Social Sciences**, IIT Bombay *(present)*

KEY PROJECTS UNDERTAKEN

Quadcopter (Hobby Project) *(Spring, 2015-16)*
Aeromodelling Club, IIT Bombay

- Designed and built a **functional quadcopter** and it's components, working in a team of 5.
- Successfully manouvered the quadcopter using a **wireless bluetooth module** upto a height of **20 metres**

Line Follower *(Spring, 2015-16)*
Student Technical Activities Body, IIT Bombay

- Designed and created an **autonomous sensor controlled bot** which follows a white line on a black surface
- Coded in **AVR** (ATMEGA-16) micro controller and used Infrared (IR) Sensors to manufacture the bot

Checkers Game (Course Project) *(Autumn, 2015-16)*
Guide: Prof. Varsha Apte *CSE, IIT Bombay*

- Developed a Checkers Game in `C++` using TurtleSim Graphics package
- Implemented an **Artificial Intelligence (AI)** in the game increasing it's efficiency to **100 percent** and created a **user friendly graphical interface** with two game modes

COURSES UNDERTAKEN

CORE COURSES	MATHS AND PHYSICS	OTHER DEPARTMENTS
-Engineering Graphics and Design	-Quantum Physics and applications	-Introduction to Biosciences
-Engineering Mechanics	-Calculus	-Introduction to Programming
-Data Analysis and Interpretation	-Linear Algebra	-Economics*
-Thermodynamics*	-Differential Equations	-Engineering Metallurgy*
-Solid Mechanics*	-Electricity and Magnetism	-Approaches to Literaturers*
-Fluid Mechanics*		-Introduction to Electrical and Electronic Circuits*

Ongoing courses marked with *

POSITIONS OF RESPONSIBILITY

Convener | Roots-Classical and Folk Arts Club *(April 2016- present)*
Institute Cultural Council, IIT Bombay

- Managing an overall budget of **INR 0.6 million**, working in a 5-member team
- Conceptualizing and executing **30+ events** throughout the year to cater to **10K+** students and faculties
- Organizing professional concerts and workshops with **SPICMACAY** under the banner of **Virasat**
- Handling semester long vocals, flute and kathak workshops for **100+ students**
- Promoting various forms of classical and folk art activities in the institute

Coordinator-Competitions | Mood Indigo, IIT Bombay *(May 2016- present)*
Asias largest college cultural festival; 131,000 footfall with 220+ events

- Conceptualized and organized **6 Multicity Competitions pan India** thus increasing outreach
- Functioned as the **first Point of Contact** for the cultural heads of various colleges
- Leading a team of **20** organizers and allotting them relevant work related to planning and publicity
- Negotiated deals with cultural institutes to provide the winners a platform to showcase their talent

TECHNICAL SKILLS

- **Programming Languages** C, C++, Python
- **Software Packages** LaTeX, SolidWorks, AutoCAD, MATLAB, Adobe Premiere Pro, PSpice
- **Operating systems** Windows, Mac OS, Ubuntu

EXTRA-CURRICULAR ACTIVITIES

Achievements

- Awarded the **first place** in IIT Bombay's Freshmen Band Competition - **Freshiezza** *(September 2015)*
- Secured **third place** in IIT Bombay's Music General Championship - **Goonj** *(February 2016)*

Music

- Professionally trained in **Carnatic Classical Vocals** under *Smt. Jaya Subrahmaniyan* for **9 years** and in playing **Carnatic violin** under *Shri N. Shrikant* for **7 years** through the Fine Arts Society
- Performing regularly in **Institute events** like Surbahaar, Swarsandhya, Institute Classical and Folk Arts Night, Club and Music Orientations and competitions

Miscellaneous

- Part of the **contingent of 12 students** selected from India to attend the renowned **Seeds of Peace International Camp** in Maine, USA *(June 2012)*
- Recipient of the prestigious **Hindustan Times Scholarship** along with 49 others selected from over 50,000 students all over Maharashtra *(2010-11)*
- Served as the **Head Boy** in school, leading a student council of **20+** members *(2012-13)*
- Pursued **French** language for 2 years in school *(2011-2013)*