Scholastic Achievements

- **Secured 97.34 percentile** in JEE Advanced 2017 given by over **2.2M+** students.   *(May' 18)*
- **Secured 99.79 percentile** in the JEE Mains 2017 given by over **15M+** students.   *(Apr' 18)*

Technical Projects

Data Visualization and Analysis   *(May '18 - present)*
Guide: Prof. Narendra Shiradkar, Electrical Dept
- Developing an interactive set of plots and graphs for learning about solar cells.
- Used **Bokeh** library to develop interactive plots which can be presented in a web browser using **Jupyter** or **BokehJS**.

Big Data Analysis   *(Mar' 18)*
Guide: Prof. Prabhu Ramchandran, Aero Dept   *Course project*
- Analyzed the **Wisconsin data set for Breast Cancer** containing information on the type of the tumor along with other specifications
- Built an model using which The type of cancer can be **predicted** with some pre-determined level of **confidence** interval based on the previous data of mean radius, area of the tumor cell etc through **Linear Regression**
- Analyzed data using various libraries like **Numpy**, **Pandas** ,**Scipy** etc in **Python**

Emoji Detector   *Summer '18*
WnCC Seasons of Code 2018, IIT Bombay
- Studied the essential of **Neural Networks and Deep Learning** and the underlying theory
- Built an **Recurrent Neural Networks(RNN) with Long-Term Short Memory(LSTM)** using **softmax classifier**

Killer Sudoku   *(Apr '18)*
Guide: prof. Krishna S. Narayanan, Dept. of Computer Science Engineering.   *Course project*
- **Programmed** A rudimentary implemetation of backtracking to solve Killer Sudoku in C++
- **Implemented Recursion and backtracking** to acheive the problem statement parameters.

Technical Skills

- *Programming Languages:* C/C++, Python,JavaScript,HTML5,CSS3,bash
- *Software:* Git, GitHub, SOLIDWORKS, AutoCAD, MS-office, LaTeX, Jupyter

Key Courses Undertaken

- **Aerospace:** Introduction to Aerospace Engg., Thermodynamics and Propulsion*, Incompressible Fluid Mechanics*, Solid Mechanics*
- **Mathematics and Statistics:** Calculus, Linear Algebra, Differential Equtions 1 & 2*, Data Interpretation & Analysis
- **Other Courses:** Computer Programming & Utilization, **Foundations of Network Security and Cryptography***, Quantum Physics & Applications, Physical Chemistry, Economics*, Biology, Basis of Electricity & Magnetism

(to be completed by Nov '18)*

Positions of Responsibility

Web Secretary, Aerospace Department, IIT Bombay *(Apr '18 - Present)*

- Part of 13 member council committee working towards promoting the Aerospace culture in institute.
- Responsible for developing and maintaining council website written using **Django , HTML , CSS**

Member, Web and Coding Club *(Apr '18 - Present)*

- Coordinated events of one of the largest clubs in India aimed at inspiring students to take up coding
- Head of **Gsoc Incubation cell** responsible for encouraging freshers and other interested students to contribute to **opensource** and try for google summer of code.
- Guided **250+** first year students in making their own game using MIT Scratch
- Conducted a workshop on **Git and GitHub** to train over **50+** students

Events Coordinator, Entrepreneurship cell *(Apr '18 - Present)*

- Working at National Entrepreneurship Challenge to conduct **Nationwide competitions** to demystify the shroud of alienism that surrounds innovation and Entrepreneurship
- Attended entrepreneurial **conferences** for interacting with **50+ corporate heads** for networking
- Collaborated and Contacted **60+** startups in IIT-B to make a startup community

Cultural and Events Coordinator, Mood Indigo *(May '18 - Present)*

- Inviting **20 artists from 10 countries** to exhibit international performances at Mood Indigo.
- Leading a team of 15+ organizers to execute events in **International Music Festival.**
- Negotiating with renowned Indian artists and various clubs in Mumbai to showcase **6+** events in **International Music Fest.**

Extra-Curricular Activities

Volunteer at National Service Scheme (NSS) *(May '17 - Apr '18)*

- Spent **80+ hours** volunteering at NSS under the Educational Outreach subdivision.
- **Taught** basic Mathematics and English to **underprivileged kids.**

Adventures *(May '18)*

- Successfully completed 15 day Mountaineering Adventure Camp, certified by JIMWS Sanasar
- Learned rock climbing, rappelling, river crossing and Basic techniques of survival in various situation.
- Achieved the targeted height gaining **9,500 feet** at Shank Pal ridge Jammu and Kashmir.

Miscellaneous

- Mentored Three team in EnB BuZZ,a B model competition which had participated by **100+** teams *(Aug '18)*
- Mentored Three team in Code Camp organised by codepromt, Internet Academy which had **130+** participants, students made an web app using **Flask,HTML,CSS** *(Aug '18)*