SCHOLASTIC ACHIEVEMENTS

- Achieved an **All India Rank of 510** among **1,60,000 candidates** in JEE Advanced 2017 *[2017]*
- Secured **99.75** percentile in JEE Main 2017 among **1.2 million candidates** *[2017]*
- Awarded the **Scholarship for Higher Education** under **INSPIRE** for being in **top 1%** of CISCE board *[2016]*
- Recipient of the prestigious **KVPY fellowship** (SA stream) conducted by the Indian Institute of Science(IISc) *[2014]*
- Secured admission to the **Indian Statistical Institute** for B.Math after multiple screening rounds *[2016]*
- Pursuing **Minor** degree in **Computer Science and Engineering** *[Present]*

KEY PROJECTS

EmoTV | INSTITUTE TECHNICAL SUMMER PROJECT *[Summer 2018]*
Project under Web and Coding Club
- Implemented **speech to text** and **text to speech** operations on python using **OpenCV Google and gtts API**
- Developed Visual Studio app for Kinect sensor to track and respond to **skeletal movements** and record **audio**
- Classified human expressions from a test dataset into 'happy' and 'sad' using **Keras API**, achieving a **60%** accuracy

MACHINE LEARNING | SUMMER OF SCIENCE *[Summer 2018]*
Project under Maths and Physics Club
- Explored fundamentals of Machine Learning and statistical concepts like **risk minimization** in Bias Variance tradeoff
- Studied about PCA feature extraction and Adaboost, Perceptron and Decision Trees **classification algorithms**

FAQ BOT | SUMMER OF CODE *[Summer 2018]*
Project under Web and Coding Club
- Compiled a vast list of **intents** and **entities** on IBM Watson Assistant to mimic the interface of the desired chatbot
- Implemented a chat interface with **Flask-WTF** extension for **frontend** that sends an input string to the NLU engine
- Performed **web scraping** using 'Beautiful Soup', and incorporated the **NLU engine** to run the bot on localhost

PONG *[December 2017]*
Self Project
- Effected the pong game in Python using **'simplegui'** library and **event handlers** for mouse clicks and key presses
- Developed code for modelling the ball's **collisions and reflections**, score keeping, **velocity control** for the ball and paddles, canvas (play area) construction and randomization of the ball's motion at the start of each round

POSITION OF RESPONSIBILITY

Coordinator | Media and Public Relations | Student Alumni Relations Cell (SARC) *[Present]*
- Organized the telephonic marathon event **Phonathon** and cordially interacted with over **600 alumni**
- Accountable for co-authoring the monthly newsletter **'The Knowledge Tree'** having a reach of **over 50,000** alumni
- Ideated the web content for the SARC flagship event **'Alumination'** attended by 200+ alumni and 1000+ students
- Authored multiple articles for the **'SARC Blog'** and composed questionnaires for the **'Know Your Alumi'** initiative

Coordinator | Horizons | Mood Indigo 2018, IIT Bombay *[December 2018]*
- Supervised a team of **5+ organizers** and administered the execution of multiple events and stage performances
- Functioned as a **Point of Contact** for **two international artist teams** and oversaw the implementation of night arena
- Prepared **anchor scripts** and formulated performance descriptions for the **official Mood Indigo website**

Coordinator | Technoholix | Techfest 2018, IIT Bombay *[Sept-Dec 2018]*
- Assisted in execution of Cyclothon-2018, a Techfest fitness initiative witnessing the participation of over **1500 people**
- Headed a team of **six organizers** to satisfy the pre-event requisites of the headliner event with over 15,000 people
- Acted as the **Point of Contact** for two artist crews from different countries comprising 5 people in each team

TECHNICAL SKILLS

- **Programming Languages/Libraries and IDEs**: C/C++, Java, Python, HTML, OpenCV, Arduino, Flask
- **Software**: AutoCAD, Solid Works, MATLAB/Octave, Latex, GNUPlot, XCircuit, NGSpice, Audacity, Visual Studio