



Saiteja Nangunoori
Computer Science & Engineering
Indian Institute of Technology Bombay

160050089
UG Second Year
Male
DOB: 10/10/1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2018	9.35

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 49** in **IIT JEE Advanced** among 170 thousand candidates (2016)
- Achieved **All India Rank 26** in **JEE Main(B.Tech)** among 1.5 million candidates (2016)
- Achieved **State Rank 112** in **TS EAMCET** out of 150 thousand candidates conducted by Ministry of HRD, **Government of Telangana** (2016)
- Awarded with a **Gold Medal and Certificate of Merit** for being among the **top 35** candidates in Indian National Chemistry Olympiad (**INChO**) conducted by HBCSE (2016)
- Amongst the **top 1%** of students appeared in the **National Standard Examination in Physics** (2015)

KEY PROJECTS

The Book Store

Autumn 2017

Guide: Prof. Kavi Arya (*course project*)

IIT Bombay

- Developing a **Django** based web app which serves as a bookstore for reading and lending journals, books
- Implementing features like **Login**, **Database management**, **Search** and **Uploading** journals & books
- Implementing a simple chat box using **Django channels** with the help of **websockets**

Pac Man

Spring 2017

Guide: Prof. Amitabha Sanyal (*course project*)

IIT Bombay

- Recreated the classic game of Pacman using **2HDTP/Universe**(a package in Racket)
- Implemented **A* algorithm** for calculation of shortest path between pacman and ghosts based on heuristic, which estimates the cost of shortest path from ghost to pacman
- Implemented **Memoization** to store the direction of the ghost given the position of pacman

Crypto-Suite

Autumn 2016

self-project

- Built a simple cryptosuite application using **bigint** class in C++
- Implemented functions for encryption, decryption, key-generation, modulo multiplication and exponentiation for very large numbers, discrete logarithm using Baby step Giant step algorithm

Mini-language Parser

Spring 2017

Guide: Prof. Amitabha Sanyal (*course project*)

IIT Bombay

- Developed a simple parser application using Racket
- Implemented functions to parse numbers, alphabets, variables, terms, expressions and assignmentoperator

TECHNICAL SKILLS

Programming

C++, Java, Bash, Python, Scheme, Prolog

Web Development

HTML, CSS, Bootstrap, Django

Softwares

MATLAB, Gnuplot, Git, Make, Doxygen, L^AT_EX, AutoCAD

POSITIONS OF RESPONSIBILITY

Coordinator

Autumn 2017

Media and Marketing | **Tech Fest**

- Leding a team of 5 to organise workshops in **BMC schools** as a part of **SHE** - Sanitation & Health Education, a social initiative on educating 20,000 girls about **Menstrual Hygiene Management**
- Implementing **Nirbhaya** - Self defense and mental training workshops for women, which will be implemented in various schools and colleges of 40+ cities across India targeting 10,000+ women

EXTRACURRICULARS

- Spread awareness about **demonetisation** among underprivileged as a part of NSS
- Secured **4th position** in **Freshiezza Video Making** Competition organized by Institute Cultural council
- Built a **remote controlled plane** in RC Plane competition conducted by Aeromodelling club IIT bombay
- Participated in making **ecofriendly Ganesh idols** as a part of NSS