



Saiteja Nangunoori
Computer Science & Engineering
Indian Institute of Technology Bombay

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UG Second Year
Male
DOB: 10/10/1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2018	9.35
Intermediate/+2	Telangana State Board of Intermediate Education	Sri Chaitanya Narayana Junior College	2016	98.70
Matriculation	Board of Secondary Education, Andhra Pradesh	Sri Chaitanya Techno School	2014	9.80

Pursuing **Majors** in Computer Science and **Minors** in Entrepreneurship

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 49** in **IIT JEE Advanced** among 170 thousand candidates (2016)
- Secured **All India Rank 26** in **JEE Main(B.Tech)** among 1.5 million candidates (2016)
- Secured **All India Rank 18** in **JEE Main(B.Arch)** among 1.5 million candidates (2016)
- Secured **State Rank 112** in **TS EAMCET** out of 150,000 candidates conducted by **Government of Telangana** (2016)

OLYMPIADS

- Awarded **Gold Medal and Certificate of merit** for being among the **top 35** candidates in selection cum training camp for International Chemistry Olympiad(**INCHO**) conducted by HBCSE (2016)
- Amongst the **top 1%** of students appeared in the **National Standard Examination in Physics** (2015)
- Amongst the **top 150** students appeared in the **National Standard Examination in Astronomy** (2015)
- Secured **All India Rank 18** in **43rd** National Mathematics Olympiad conducted by the Association for Mathematics Teachers of India (AMTI) (2012)

KEY PROJECTS

The Book Store

Autumn 2017

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

IIT Bombay

- Developing an **Django** based web application which serves as a bookstore for reading and lending journals and books
- Implementing features like **Login**, **Database management**, **Search** by Name/Genre and Uploading the journals & books using libraries of Django framework
- Added an interactive interface where users can form communities, follow others, rate and review the 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 classical game of Pacman using **2HDTP/Universe**(a package in Racket)
- Created a interactive version of the game which includes placing food in cells and ghosts chasing Pacman
- Implemented **A* algorithm** for calculation of shortest path between pacman, ghosts and stored them using **memoization**

OTHER PROJECTS

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
- implemented Discrete logarithm using Baby step Gaint step algorithm

Parser

Guide: Prof. Amitabha Sanyal

Spring 2017

IIT Bombay

- Developed a simple parser application using Racket
- Implemented functions to parse numbers, alphabets, variables, terms, expressions and assignment operator from a string

Bringing Learners and Tutors together

Autumn 2017

Guide: Prof. Anand T.Kusre (*course project*)

IIT Bombay

- Developing a Business Model Canvas on the idea of developing a interactive platform to bring tutors and learners together

TECHNICAL SKILLS

Programming	C++, Java, Bash, Python, Scheme, Prolog
Web Development	HTML, CSS, Bootstrap, Django
Softwares	MATLAB, Gnuplot, Git, Make, Doxygen, L ^A T _E X, AutoCAD,

POSITIONS OF RESPONSIBILITY

Coordinator

Autumn 2017

Media and Marketing, Tech Fest

- Working and guiding a team of 10 organisers to build a media plan of **INR 50 million** for Techfest
- Led a team of 5 to organise workshops in **BMC schools** as a part of **SHE** - Sanitation & Health Education, 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

Organizer

Autumn 2016

Marketing, Tech Fest

- Part of the team that organized **CURED** where 200+ camps were set up all over India to check blood sugar levels wherein 40,000+ blood checks were done and 75,000+ health pledges were signed in a single day
- Organized **Cyclothon** wherein more than 2,000 cyclists had come from Mumbai, Pune and Nashik
- Organized and hosted **NSQ** (National School Quiz) for students of class 8th, 9th and 10th wherein 120+ schools from all over Mumbai had participated to make the quiz a grand success

KEY COURSES UNDERTAKEN

Computer Science	Data Structures and Algorithms+Lab*, Software Systems Lab*, Data Analysis and Interpretation*, Discrete Structures*, Digital Logic Design+Lab**, Computer Networks+Lab**, Design and Analysis of Algorithms**, Logic for Computer Science**, Computer Programming and Utilization, Abstractions and Paradigms for Programming, Programming Paradigms Lab
Mathematics	Calculus, Linear Algebra, Differential Equations
Others	Introduction to Electrical and Electronics Circuits, Economics**, Biology, Quantum Physics and application, Basics of Electricity and Magnetism, Physical Chemistry

* Course to be completed by Autumn 2017

** Course to be completed by Spring 2018

EXTRACURRICULARS

- Spread awareness about **demonetisation** among underprivileged as a part of NSS
- Participated in making **ecofriendly Ganesh idols** as a part of NSS
- Participated in **Freshiezza Video Making** Competition organized by Institute Cultural council and secured **4th position**
- Built a **remote controlled plane** while participating in RC Plane competition conducted by Aeromodelling club IIT Bombay
- Completed a month long basic course in **Video Editing** conducted by Cultural Council, IIT Bombay
- Built a **remote controlled solar car** as a science project in year 2011
- Associated with **National Service Scheme**, IIT Bombay under Vikas program
- Completed a 15 day Swimming for All camp conducted by IIT Bombay Sports Council
- organized various events of Afternights, MoodIndigo-2k16