



Computer Science & Engineering
Indian Institute of Technology, Bombay

B.Tech.

Gender: [REDACTED]

DOB: [REDACTED]

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	null

SCHOLASTIC ACHIEVEMENTS

- Secured institute rank **1** and overall rank **19** in HackIITK Hackathon out of 12500 participants (2020)
- Secured **2nd** position in Capture The Flag competition in 8th Inter IIT Tech Meet (2019)
- Scored **98.52** percentile in **JEE Advanced** among 160,000 aspirants across India (2017)
- Scored **99.56** percentile in **JEE Main** among 1.2 million students across India (2017)
- Qualified for **Kishore Vaigyanik Protsahan Yojna** fellowship given by Govt. of India (2016)
- Recipient of **National Talent Search Examination** scholarship awarded by NCERT (2015)

INTERNSHIP AND KEY PROJECTS

Fixed Income Workbench

Summer 2019

Guide: Rakesh Kukreja & Joshua Rout

Franklin Templeton Investments, Hyderabad

- Simplified the investment process of **Australian Fixed Income Department** by creating a **Django** web app
- Built graphs using **HighCharts** (a javascript library) for **easy visualization** of the investment data
- Displayed the data using **DataTables** (a jQuery plugin) with user friendly filter options and search functionality
- Deployed the web app using **Apache** on an internal server of the company sitting in Australia

Malware Detector-Classifer

Summer 2020

HackIITK Hackathon

Self Project

- Developed a malware detector cum classifier based on **static analysis** of PE files ensuring **zero risk** to host
- Processed **50GB** of malware and benign files to train high accuracy machine learning model

BotNet Detector

Summer 2020

HackIITK Hackathon

Self Project

- Developed a network analysis tool for detection of **Peer-to-Peer** botnet infected hosts
- Analysed **47 Million** botnet and benign packets for the machine learning model used in detection

The Typing Cat

Self Project – Winter 2019

- Automated** a **typing test** on thetypingcat.com with a python script using **Selenium Web Driver**
- Achieved a speed of more than **250 WPM** (Words Per Minute) in the one minute typing test.

Facial Expression Recognition

Autumn 2019

Guide: Prof. Ganesh Ramakrishnan

Course Project

- Built and trained a Convolutional Neural Network (**CNN**) to classify human faces into 6 different emotions
- Implemented **Voila Jones Algorithm** to detect and isolate human faces in the input image

Secure Personal Cloud

Autumn 2018

Guide: Prof. Soumen Chakrabarti

Course Project

- Developed a cloud based file system using **Django Framework** that supports simultaneous multiple clients
- Implemented **client-side** encryption that give users complete control over the **encryption schema**

TECHNICAL SKILLS

Programming	Python, C, C++, Java, Kotlin, Bash, Racket, Prolog, \LaTeX , Perl, Assembly
Web Development	HTML, CSS, JavaScript, JQuery, PHP, SQL, Django, Flask, Jekyll
Software Tools	Git, Android Studio, Arduino, Unity, MATLAB, Docker
CTF Tools	Burp Suite, Ghidra, Wireshark, Metasploit, BloodHound, Nmap, Z3, pwntools

EXTRA CURRICULAR

- Ranked **Pro Hacker** on **HackTheBox**, an online platform to practice and test cyber security skills (2020)
- Participated in **40+** international Capture The Flag competition in 2020 (2020)
- Frequently **blog** about penetration testing and hacking machines released weekly on HackTheBox (2020)
- Successfully completed a year long course in **Indian Classical Music** (Vocals) (2017-18)
- Made a personal best time record by solving a $3 \times 3 \times 3$ **Rubik's Cube** in **9.86 seconds** (2016)