



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	M.TECH Dual Degree 5Y	IIT Kharagpur	7.92 / 10
2016	Higher Secondary Certificate	Maharashtra State Board	92.0%
2014	Secondary School Certificate	Maharashtra State Board	98.6%

## SKILLS AND EXPERTISE

- Languages : C, C++, Python, Java, SQL, PHP, HTML, CSS, JS, jQuery
- Tools : Octave, Jupyter-notebook, Spyder, Netbeans ( Java Swing )
- Others : Machine Learning, Deep Learning, Android Development, Firebase, JSP, Java Servlet

## COURSEWORK INFORMATION

### Core Courses

- Programming and Data Structures, Algorithms I & II, Software Engineering, Probability and Statistics, Computer Organization and Architecture, OS, Computer Networks, DBMS, Digital Speech Processing.

### Online Courses

- Machine Learning, deeplearning.AI

## INTERSHIPS AND PROJECTS

### Summer Internship at Capillary Technologies

(May 2019 - July 2019)

- Worked on Automatic Speech Recognition in Noisy Environment using Kaldi Speech Recognition Toolkit
- Solved Indian Accent problem using data scrapped from youtube instead of Commonvoice and Librispeech datasets. Used GMM based models for alignments and Kaldi TDNN Chain Model as Acoustic Model.
- Noise augmented data at various SNR and decibel ratios to increase robustness and mapped clean alignments.
- Used SpecAugment to counter case of frequency and phoneme loss.

### IIT Kharagpur

(March 2019 - March 2019)

- Designed an NLP based Search Engine for browsing past cases (Supreme Court) useful for Lawyers.
- Document indexing using whoosh and filtering relevant results using BM25 searching algorithm.
- Search time under 2 seconds and we were awarded gold thus acknowledging the quality of our search results.

### Summer Internship at Kolkata Police Headquarters

(May 2018 - May 2018)

- Worked on speaker recognition using MFCC feature extraction and made a Deep Learning model to identify the voice of criminal. Made a program to separate the voice of a criminal from all mixed up audio files.
- Improvisation of Sanjog App of Kolkata Police. Sending push notifications using Firebase to update data.

### Boston Consultancy Group

(Feb 2019 - March 2019)

- Made a Salesman Calculator in Android and customized it as per the Company's requirements.
- Designed another app (hygiene monitoring device tracker) that encompasses features like live location, device data update and alerts in real time.

### Database Management Systems

(Jan 2019 - April 2019)

- Made a cycle rental portal and the corresponding app as part of DBMS Lab project and hosted it on online server.
- Contains various features such as live location of cycles, toggling the status of cycle availability.

## AWARDS AND ACHIEVEMENTS

- Secured 2nd rank in Data Analytics Competition held in IIT Kharagpur.
- Secured Gold Medal in Open Soft Competition at IIT Kharagpur as Vice-Captain of my Hall of Residence.
- Made an app for Boston Consultancy Group which was launched among 10000 employees.
- Secured AIR 1466(gen) in JEE Advanced 2016 and AIR 180(gen) in JEE Mains 2016 from 11,00,000 candidates.
- Secured 406/450 in BITS and 194/200 in MHT-CET state engineering entrance (Vidharbha Region Topper).
- NTSE Scholar and KVPY Fellow (AIR 333) .

## POSITIONS OF RESPONSIBILITY

- Vice - Captain of Open Soft Team of RK Hall of Residence for academic year 2018-19. Currently Captain of same.

## EXTRA CURRICULAR ACTIVITIES

- Computer Science Expert at Chegg India.
- Educator at Unacademy with 23k followers.
- Tutor at HashLearn .
- Love playing Table Tennis and Foosball.