



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 the already entered data and also notifications according to current location of users.

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.
- Made using SQL, HTML, jQuery, PHP.

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 rank of 360 in ACM ICPC Online Round.
- 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 Entrance Examination.
- Secured 194/200 in MHT-CET state engineering entrance(Vidharbha Region Topper).
- NTSE Scholar and KVPY Fellow (AIR 333) .

EXTRA CURRICULAR ACTIVITIES

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