

Education

- 2018-present **PhD in Computer Science**, *IIT Kanpur, CPI-9.25.*
2014-2018 **B.Tech In Computer Science And Engg**, *IIIT Guwahati, CPI- 8.57.*
2012-2014 **Intermediate(state board)**, *Sri Gayatri Academy, Madhapur, Hyderabad, Percentage – 96.1.*
2012 **10th(state board)**, *Sri Chaitanya Techno School, Kukatpally, Hyderabad, grade – 9.8.*

Projects

- Aug-Dec 2018 **Movie Recommendation System with Implicit Feedback**, *Guide: Dr. Piyush Rai, CS, IITK.*
In this project, we implemented a collaborative filtering model for implicit feedback datasets. We evaluated accuracy and diversity of the recommendation of the model.
- Aug-Dec 2018 **Indian Train Delay Data Collection and Analysis**, *Guide: Dr. Arnab Bhattacharya, CS, IITK.*
Our Group collected train delay information for Indian Railways and done some preliminary analysis of the data and arrived at conclusions about the systemic delays at each station over the year (seasonal and monthly variations). Using train running history for one year, we calculated average delays and standard deviations at each station which can help railways to manage their resources.
- Aug 2017-April 2018 **Effect of news and Social Media on Stock Price using Sentiment Analysis**, *Guide: Gitimoni Saikia, IIIT Guwahati.*
In this project I did Sentiment Analysis on data acquired from News and Social Media(Twitter) using two Deep Neural Networks one being Recursive Neural Tensor Networks (RNTN) and other being a variation Of Convolution Neural Network (Character to Sentence Level CNN).
- Jan-April 2018 **Chatbot Using API.AI**, *Guide: Dr. Suchetana Chakroborty, IIIT Guwahati.*
Built an intelligent mobile Chatbot app that can understand both text and natural language (audio) and can take actions based on that. We can make it do simple calculations to performing complex operations but as of now it can do a basic talk, basic calculations, weather information, details regarding a movie you want etc. It is done in group of 2 people.
- Jan-April 2017 **Parking Garage Automation**, *Guide: Dr. Ferdous Ahmed Barbhuiya, IIIT Guwahati.*
This application is an Automated Parking Garage System done in a group of two, since finding secure parking spaces in a new city never visited is hard and to maximize the occupancy of the parking garage and develop a user friendly mechanism that helps customers find and reserve the parking spots available.
- Jan-April 2016 **Semi-supervised fuzzy KNN Classifier**, *Guide: Dr. Moumita Roy, IIIT Guwahati.*
Worked on semi supervised methods for Land Cover Classification using fuzzy k-nearest neighbors. Aim was to classify the Land cover which may be help full in many ways with less training data using Semi-supervised fuzzy KNN Classifier.

Internship/Position of Responsibility/Achievements

- Dec2016-Jan2017 **Hubble Connected India Pvt., Bangalore.**
Work Description They mainly focus on building Motorola Baby Monitors, Motorola Home Cameras, Motorola Headphones and Smart Nursery. I have worked a little on a project with a goal to design a Baby cry Detector where Speech Recognition and Machine learning techniques was used to determine why the baby is crying.
- Aug-Dec2018 **Teaching Assistant for CS201: Mathematics for Computer Science**

Technical Skills

- Languages C, java, Python, SQL.
Softwares&Tools MATLAB, Net Beans, Eclipse, LaTeX, Visual Studio.
Operating Systems Linux, Unix, Windows

Relevant Courses

- 2014-present Visual Recognition, Introduction To Machine Learning, Data Mining, Mathematics For Computer Science, Topics of Internet Technologies, Operating Systems, Computer Architecture and Design, Data Structures, LINUX, DBMS, Computer Networks, Compiler Design, Theory of Computation, Algorithms, Discrete Mathematics, FLAT, Cloud Computing, Software engineering, Optimization Techniques, Advanced Algorithms, machine learning, IOT, Internet Protocols, Image Processing, Ubiquitous Computing, Game Theory, Real-Time Systems.

Areas of Interest

Machine Learning, Computer Vision, Deep Learning, Data Structures and algorithms