

# Divay Jindal

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## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR AS

B.TECH IN COMPUTER SCIENCE  
May 2017  
CGPA : 8.2/10.0

## LINKS

Github:// [divayjindal95](#)  
Kaggle://[divayml](#)  
LinkedIn:// [divayjindal](#)

## COURSEWORK

### UNDERGRADUATE

Data Structure  
Linear Algebra  
Discrete Mathematics  
Operating System Concepts

### INDEPENDENT

18.06 Linear Algebra (MIT)  
STAT 110 (Harvard)  
ML - Abu Mostafa (Caltech)  
CS231n Computer Vision (Stanford)  
Convex Opt. - Boyd (Stanford)

## SKILLS

### DATA MINING / PIPELINING

MapReduce • Sqoop  
MySQL • Hive  
Spark • Oozie

### MODEL BUILDING

Python • Java  
Numpy • Pandas  
Scikit • Tensorflow

### MODEL SERVING

PHP • Elasticsearch  
Redis

## EXPERIENCE

### SOFTWARE DEVELOPER DATA SCIENCE TEAM BOOKMYSHOW

JULY 2017 – Present

- User clustering for recommending movies. Achieved 7% increase in transaction and 15% increase in CTR for top 5 recommendations.
- Dynamic Pricing so as to increase the revenue of the theater. Incorporated forecasting model using ridge regression on 75 minutes lags for next 15 min.

### MACHINE LEARNING CONSULTANT THE SOCIAL STREET

DEC 2016 - MAY 2017

- Face detection using HAAR classifier over 30 fps streaming video gave 83% accuracy. SVM over detected faces classified gender with 75% accuracy.

### DATA SCIENCE INTERN CUBE26

May 2016 – AUG 2016

- Developed a generic parser for any search query using word2vec to identify the types and indices of Elasticsearch. This improved the response time by 15ms.

### HEAD GYAANSAGAR NGO SILCHAR

DEC 2013 - MAY 2017

- Founding member of the community.
- Supervised Skill Development Programme with 40 students in each class, making students familiar with basic computing skills.

## RESEARCH AND PROJECTS

### E2EE CHAT APP

April 2018

- Developed chat app using Signal protocol (used by Whatsapp, Insta, Facebook currently) that guarantees forward secrecy and server privacy.
- Reduced the payload using Kryo by 10% from traditional algo.

### QUESTION CLASSIFIER USING NAIVE BAYES

March 2016

- Naive Bayes over unigram tfidf gave 78% accuracy which outperformed both SVM and Decision trees.

### SUDOKU SOLVER USING G.A

Feb 2015– May 2015 | Prof. K.N Das, NIT Silchar

- Developed a programme to solve a 1 star, 2 star and 3 star Sudoku problem using GENETIC ALGORITHM in an unsupervised manner.

### GRAVITATIONAL SEARCH ALGORITHM WITH MODIFIED MOMENTA

May 2015 – July 2015 | South Asian University

- Based on Newtonian Gravity Principle. Serves as a technique to solve non trivial (NP-Hard) Non Convex problems (tested for R50)
- Implemented in C++

## ACHIEVEMENTS

2015 ACM ICPC Chennai Regional  
2012 International Mathematics Olympiad, Second Round  
Publication Basic Computer Application, Approved by MHRD