

# Jasdeep Singh Chhabra

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## EDUCATION

### IIT VARANASI

BTECH(2013-2017)  
CHEMICAL ENGINEERING AND  
TECHNOLOGY  
CGPA: 8.40

## LINKS

Blog:// [Jasdeep's Blog](#)  
Github:// [jasdeep06](#)  
LinkedIn:// [Jasdeep Singh Chhabra](#)

## CERTIFICATIONS

### COURSERA'S DEEP LEARNING SPECIALIZATION

- Neural Networks and Deep Learning (100 %grade)
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (100 %grade)
- Structuring Machine Learning Projects (100 %grade)

### OTHER

- Coursera's Machine Learning (Stanford University/Andrew Ng)

## SKILLS

### PROGRAMMING LANGUAGES

Python • Java • C •

### AREAS OF INTEREST

Deep Learning • Natural Language Processing • Computer Vision •

### LIBRARIES AND DATABASES

Tensorflow • Numpy • Pandas • Django • scikit-learn • Neo4j • MongoDB • flask • pymongo • Spacy • MATLAB •

## EXPERIENCE

### UDACITY | SELF DRIVING CAR NANODEGREE

Dec 2017 – Present

- Pursuing self driving car nanodegree.

### TEKTORCH | MACHINE LEARNING DEVELOPER

May 2017 – Present | Remote

- Worked on Natural Language models using Recurrent neural networks in Tensorflow.
- Developed Chatbots(for banking and travel industries) using in house NLP unit and MongoDB and flask for REST API.
- Predictive analysis in Kaggle competitions.

### CONSTALYTICS | DEEP LEARNING INTERN

Oct 2017 – Present | Chandigarh

- Worked on deriving insights from unstructured data using advanced deep learning techniques.
- Worked with graph database(Neo4j) and graph analytics to monetize unstructured data.
- Major contributions from building annotation tool for data labelling to presenting the product to multinational clients.

## PROJECTS

### MACHINE LEARNING BLOG

Jan 2017 – Present

A popular machine learning blog consisting of posts ranging from explaining backpropagation to complex tensorflow implementations accompanied with implementation of research papers.

### TEXT GENERATOR

July 2017

Built a character level text generator using Recurrent Neural Networks(RNNs,LSTMs),Embeddings,Language modelling in Tensorflow.When fed with a sample text file,the model generates similar styled text.Features such as training resumption,intermediate sampling implemented.Effect of different learning algorithms and regularization techniques also explored.

### KAGGLE COMPETITIONS

Jun 2017-present

Stood top 10(At the time of submission) in Kaggle's House Prices Prediction competition by implementing bagging,boosting and stacking of 8 advanced regression models including Extreme Gradient Boosting(xgboost) and Gradient Boosted Trees(GBT) using sklearn,numpy,pandas and scipy.

### RESEARCH PROJECT

Oct 2016-Dec 2016

A lab(research) project on prediction of polymer product quality in an industrial reactor using recurrent neural networks based on the paper"Online prediction of polymer product quality in an industrial reactor using recurrent neural networks" by Randall S. Barton and David M. Himmelblau.