

# Divyansh Jha

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## EDUCATION

### IP UNIVERSITY

B.TECH IN ELECTRONICS & COMM.  
Expected Dec 2019 | New Delhi, India  
CGPA: 8.56/10 Till Now

### CBSE BOARD

XII  
Grad. May 2015 | New Delhi, India  
Grade : 96%  
X  
Grad. May 2013 | New Delhi, India  
CGPA : 9.6/10

## LINKS

Github:// [divyanshj16](#)  
LinkedIn:// [divyanshjha](#)  
Medium:// [divyanshj.16](#)

## COURSEWORK

Machine Learning (CS229)  
Convolutional Neural Nets(CS231n)  
NLP with Deep Learning(CS224n)  
Deep Learning.ai  
Python for Data Science  
Mathematics I-IV  
Signals and Systems  
Data structures and Algorithms

## SKILLS

### LANGUAGES

• Python • Javascript • C++  
• C • Shell • Ruby

### FRAMEWORKS

• TensorFlow • PyTorch • Scikit-learn  
• gym • fastai • Django • Rails

## SIDE PROJECTS

**Nand2Tetris** Feb 2017 - June 2017  
Built a virtual computer starting from NAND gates all the way to an assembly language and a VM language  
**PropGage** | Feb 2018  
A fintech based web platform for borrowers to get loan through bidding on their mortgages  
**Parya** | April 2018  
A platform for educating startups and connecting them to investors.

## INTEREST

•Football •Blogging •Research

## EXPERIENCE

### GEONUMA SOFTWARE - (ESRI) | DEEP LEARNING INTERN

May 2018 – Present | Delhi, India

- Object detection and Instance segmentation in satellite imagery.
- Developed a CycleGAN to convert satellite imagery to stamen water color.
- Super-resolution on satellite imagery.

### TWF FLOURS | DATA SCIENCE AND MACHINE LEARNING INTERN

Jun 2017 – Aug 2017 | Noida, India

- Automated the task of data collection from Amazon seller APIs
- Created database structures to store collected data.
- Created intelligent models to predict the next order of each customer.

## DEEP LEARNING PROJECTS

### ATTENTION IS ALL YOU NEED

June 2018 – PRESENT | Delhi, India

- Implemented various layers as described by the paper
- Dataset used: IWSLT 2014 de-en

### IMAGE CAPTIONING

Jan 2018 – Feb 2018 | Delhi, India

- Implemented RNNs and LSTM in raw numpy and used vgg16 for image features
- Used MS-COCO dataset for training and validation

### GAN COMPARISONS

Feb 2018 – March 2018 | Delhi, India

- Comparison of Vanilla GAN, LSGAN, and DCGAN on MNIST
- Implemented the above architectures in both PyTorch and TensorFlow

## RESEARCH

### EFFICIENCY EVALUATION OF DEEP LEARNING CLASSIFIERS

Jan 2018 - April 2018 | Delhi, India

- Poster published in IEEE SoutheastCon 2018, Florida.
- Studied MLP and CNN architectures on MNIST to test Google Colaboratory
- Devised a new metric to evaluate the performance of a classifier

## MISCELLANEOUS

- AI student ambassador at **Intel Corporation**, where I mainly conduct meetups and speak on various AI topics
- I am Delhi chapter ambassador of **Nurture.ai AI Saturdays** where I conducted over 12 meetups from December 2017 to April 2018
- Selected twice for **University of San Francisco's Fast.ai fellowship** programme as an International Fellow.

## ACHIEVEMENTS

2018 Awarded 5000 USD under **Intel Early Innovation programme**  
2018 15<sup>th</sup> rank in hackerearth competition out of 6k participants  
2018 4<sup>th</sup> in NSIT Fintech Hackathon  
2015 1<sup>st</sup> in school and top 5%ile in Delhi in CBSE boards