

Divyansh Jha

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EDUCATION

IP UNIVERSITY

B.TECH IN ELECTRONICS & COMM.
Expected June 2019 | New Delhi, India
CGPA: 8.42/10 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 • ArcGIS

SIDE PROJECTS

Nand2Tetris | Feb 2017-Jun 2017 | URL
Built a virtual computer starting from NAND gates all the way to an assembly language and a VM language

PropGage | Feb 2018 | URL
A fintech based web platform for borrowers to get loan through bidding on their mortgages

Prya | April 2018 | URL
A platform for educating startups and connecting them to investors.

INTEREST

•Football •Blogging •Research

EXPERIENCE

GEONUMA SOFTWARE | 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

SELF ATTENTION BASED VISUAL DIALOGUE

September 2018 – November 2018 | Delhi, India

- Improved the results by adding self-attention over images.
- Dataset used: VisDial v0.9

IMAGE CAPTIONING

Jan 2018 – Feb 2018 | Delhi, India | Project URL

- 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 – Mar 2018 | Delhi, India | Project URL

- 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 15th rank in hackerearth competition out of 6k participants
2018 4th in NSIT Fintech Hackathon
2015 1st in school and top 5%ile in Delhi in CBSE boards