

# Divyansh Khanna

divyanshk.github.io  
divyansh@nyu.edu | 646-201-6265 | New York, NY

## EDUCATION

### NEW YORK UNIVERSITY

MASTERS IN COMPUTER SCIENCE

COURANT INSTITUTE OF  
MATHEMATICAL SCIENCES

May 2019 | New York City

GPA: 3.53

### BITS PILANI

BACHELOR OF ENGINEERING IN  
COMPUTER SCIENCE

MASTER OF SCIENCE IN  
MATHEMATICS

July 2016 | Goa, India

Cum. GPA: 8.17 / 10.0

CS Major GPA: 8.80 / 10.0

## SKILLS

### PROGRAMMING

Java • Python • C++

Knowledge of:

PyTorch • Hive

Familiar with:

Spark • Scala

## COURSEWORK

### GRADUATE

Foundations of Machine Learning

Deep Generative Models

Fundamental Algorithms

Distributed Systems

Computer Vision

Deep Learning

### UNDERGRADUATE

Design and Analysis of Algorithms

Artificial Intelligence

(Teaching Assistant)

Parallel Computing

Optimization

## LINKS

Github:// [divyanshk](#)

LinkedIn:// [divyanshkhanna](#)

Twitter:// [@divyanshkhanna1](#)

## EXPERIENCE

### FACEBOOK | SOFTWARE ENGINEER INTERN

May 2018 – August 2018 | Menlo Park, California

- Worked with the Ads Growth Science team to create models predicting advertiser behavior and providing them recommendations resulting in higher conversion and better user experience.

### FLIPKART | SOFTWARE DEVELOPMENT ENGINEER

December 2016 – July 2017 | Bengaluru, India

- Worked with the Data Platform team on building products for better insights on daily data captured across the Flipkart ecosystem
- Developed new features for the Common Data Model, a framework to provide a self sustaining platform capturing complete data life cycles
- Identified the bottleneck of a production Hive job, designed and implemented a solution to cut the CPU time by over 5 times

### INDIAN INSTITUTE OF SCIENCE | PROJECT ASSISTANT

July 2016 – December 2016 | Bengaluru, India

- Collaborated with the Energy Analytics team on behavioral activity models
- Built models for analyzing households' power consumption activities
- Deployed ensemble supervised learning along with hidden Markov models to model the consumption patterns

### MYNTRA | SOFTWARE ENGINEERING INTERN

Jan 2016 – July 2016 | Bengaluru, India

- Developed a dashboard for detailed topic analysis of the Myntra mobile app's personalized feed using NoSQL databases and JS backend framework
- Created a tool for fetching the top posts within a date range ranked by various user provided metrics
- The dashboard was used across multiple product and data science teams to validate the feed's performance

### SIEMENS RESEARCH | SUMMER INTERN

May 2015 – July 2015 | Bengaluru, India

- Identified performance overheads of CUDA and cpp backend of Thrust: A template library for CUDA
- Used timing and profiling tools to estimate the performance differences
- The analysis was used to overcome delays in production code

## PROJECTS

### SEMI-SUPERVISED LEARNING USING CONVOLUTIONAL AUTO-ENCODERS

- Deployed a upsampling based convolutional auto-encoder with data augmentation on 512k unlabeled and 64k labeled subset of ImageNet 22k
- Training jointly in supervised and unsupervised fashion, the model achieved 47% Top-5 accuracy on validation dataset

### SIMPLIFIED BYZANTINE FAULT TOLERANT RAFT

- Developed and implemented a simplistic extension to the RAFT consensus algorithm to handle Byzantine faults in Go