

Divyansh Khanna

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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](#)

EXPERIENCE

META PLATFORMS INC | SOFTWARE ENGINEER

June 2019 | Menlo Park, California

- Working on Instagram's account recommendation service helping build a healthy and meaningful user graph of connections
- Engineer on the Groups team working on distribution of content across News Feed and Notifications within the app

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

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