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

FACEBOOK | Software Engineer
June 2019 | Menlo Park, California

- Engineer on the Groups team working on distribution of content across different channels 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 augumentation 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