

Srijan Mishra

Graduate Computer Science Student,
University of Massachusetts Amherst

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Tech Skills

- **Programming Languages and OS:** Java, Python, C++, MATLAB, SQL, macOS, Linux
- **Machine Learning:** scikit-learn, OpenCV, pytorch, TensorFlow, Keras, Theano
- **Other Skills:** Android, AWS, MongoDB, Elasticsearch, Pinot

Achievements

- Secured All India Rank **267** (out of 0.5M aspirants) in IIT Joint Entrance Exam
- Awarded MHRD scholarship 2014-15 for securing All India Rank of **284** out of 1 million candidates in AIEEE 2010
- Cleared CFA Level-1 examination & FRM Part-1 examination

MS Coursework

- Advanced Machine Learning
- Probabilistic Graphical Models
- Natural Language Processing
- Advanced Algorithms
- Distributed Operating Systems

Hobbies

Photography & design hobbyist; Won over 10+ photography competitions; Fitness enthusiast- lost 50 pounds in 3 months in 2016, Held multiple POR's: Coordinator, Rendezvous festival, IIT Delhi; Cultural Secretary, Kumaon Hostel, IIT Delhi; Swimming Captain, Kumaon Hostel, IIT Delhi

Education

Sep 2017 -
Dec 2018

University of Massachusetts Amherst
MS, Computer Science
Amherst, Massachusetts, USA

GPA: 4.0/4.0

2010 - 2014

Indian Institute of Technology, Delhi
B.Tech, Mechanical Engineering
New Delhi, India

GPA: 7.25/10

Experience

Fall 2018

Google

Seattle, Washington, USA

Software Engineering Intern

- Developed Robin- an android app for exploratory testing of different kinds of ads rendered through different third party exchanges
- Implemented a network proxy to log the traffic through the app during ad- rendering and linked them to user action logs

Summer 2018

Uber Engineering

Palo Alto, California, USA

Software Engineering Intern

- Developed a Capacity Estimator for Disk & Memory Usage for data migration on Pinot
- Channeled queries hitting the rest proxy to a Kafka topic enabling efficient data analytics on critical aspects
- Smoothened deployment process of pinot-rest-proxy by designing load & integration tests

Jan - Jun 2017

Sprinklr

Gurgaon, Haryana, India

Product Engineer

- Developed a spam filter for ad & porn categories; integrated with the main system & rolled out for 14 clients
- Developed a word disambiguation model; increased accuracy of entity based algorithms from 80% to 85%

Jan - Dec 2016

Baxi-The Bike Taxi

Gurgaon, Haryana, India

Software Engineer

- Automated payouts using a server-less architecture on AWS enabling daily transfer of incentives

Research

Spring 2018

Chan Zuckerberg Initiative

UMass Amherst

Joint entity recognition and linking for medical research papers

- Used a bi-directional LSTM & CRF based model to beat state of the art entity recognition for medical papers
- Perfected linking using an LSTM run on the output of candidate reduction step post tfidf vectorizer training

Fall 2017

Unsupervised domain adaptation

UMass Amherst

Done using Generative Adversarial Networks

- Built domain adaptation system for text and video time-series data using Convolutional Neural Networks, Long Short Term Memory networks and Adversarial Learning with cyclic reconstruction loss
- Built an end-to-end steering system on simulation of driving video and learnt automatic steering angle prediction on real-world driving videos using Adversarial Learning

Fall 2017

Authorship attribution for research papers

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NLP course final project

- Experimented with various NLP based models to attribute authors to their research papers