

# SRIJAN MISHRA

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## ACADEMIC DETAILS

Year	Program	Institute	GPA/Marks
2019	MS in Computer Science	University of Massachusetts, Amherst	-
2014	B.Tech	Indian Institute of Technology, Delhi(IIT Delhi)	7.254/10

## SCHOLASTIC ACHIEVEMENTS

- Secured **AIR 267(99.95 percentile)** out of **0.5 million** candidates appearing IIT-JEE (2010)
- Awarded **MHRD scholarship** for securing **AIR 284** out of 1 million candidates appearing in AIEEE (2010)
- Cleared CFA Level-1 examination conducted by CFA Institute, USA and FRM Part-1 conducted by GARP, USA

## TECHNICAL SKILLS

- Languages: Java, Python, SQL & MATLAB
- Python libraries: OpenCV, Keras, Tensorflow, Numpy, Pandas, NLTK, scikit-learn
- Other skills: Amazon web services, MongoDB & Elasticsearch
- Courses this semester: Advanced Algorithms, Advanced Machine Learning & Natural Language Processing

## JOB EXPERIENCE

- Product Engineer, NLP team, Sprinklr, Gurgaon** (Jan, 2017 – Jun, 2017):
  - Developed a spam filter for ad & porn categories; integrated with the main system & rolled out for 4 clients
  - Developed a disambiguation model that substantially increased accuracy in entity based algorithms
- Software Engineer, Baxi-The Bike Taxi, Gurgaon** (Jan, 2016 – Dec, 2016):
  - Automated driver payouts using a server-less architecture on AWS enabling daily transfer of incentives to drivers
  - Extended database model using MongoDB's GeoJSON functionalities to enable dynamic & location based pricing
  - Conceptualized Facebook Messenger bot, tweaked existing API choreography to fit the scenario
- Co-founder, Sentient Complex Dynamics, Gurgaon** (Jun, 2015 – Dec, 2015):
  - Worked on an indoor positioning systems based hyper-local deals platform for a leading mall chains
- Team Leader, Bank of America, Quantitative Office, Gurgaon** (July, 2014 – May, 2015):
  - Engineered risk analysis tools on Python by identifying driving parameters and studying underlying statistics
  - Closely worked with Front Office- CVA & FVA Trading Desk in reporting Risk and PnL for 17,000 portfolios

## PROJECTS

- Shadow Removal, Mobility Assistant for Visually Impaired, IIT Delhi** (Aug, 2016 – Dec, 2016):
  - Illuminant invariant image using a color constancy approach, used Canny Edge Detection for shadow detection
  - Implemented a depth-based shadow removal approach using data from Intel RealSense depth camera
- Fine-grained leaf classification, IIT Mandi** (Aug, 2016 – Dec, 2016):
  - Used pre-trained VGG-16 weights as fixed feature extractor on 185 leaf species from leafsnap dataset
  - Experimented with VGG layers and number of neurons to determine best architecture for leaf-classification
  - Differentiated species amongst leaf groups that appear similar to classifier using image processing techniques
- Sentiment Analysis on IMDB movie reviews:**
  - Trained Random-Forest classifier on clusters of word vectors to achieve near perfect accuracies on IMDB reviews

## INTERNSHIPS

- Schlumberger Asia Services Limited, Nazira, Assam- Wireline Segment** (June, 2013 - July, 2013):
  - Analyzed pre & post job processes to design process flow to minimize time & prevent crisscross flow
  - Coordinated with ONGC to collect job work-orders & dispatch paperwork meeting client expectations
- Michigan Technological University, USA** (May, 2012 – July, 2012):
  - Synthesized different length & diameter nanotubes by varying different parameters in combinations
  - Examined bone crack healing capacity of nanotubes by conducting experiment on a living animal

## HOBBIES

Travelling and Running. Fitness enthusiast: lost 22kgs in 3 months in the first half of 2016