

SRIJAN MISHRA

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ACADEMIC DETAILS

Year	Program	Institute	Relevant Courses
May, 2019	MS in Computer Science	University of Massachusetts Amherst	Advanced Algorithms, Advanced Machine Learning, NLP
2014	B.Tech in Mechanical Engineering	Indian Institute of Technology, Delhi (IIT Delhi)	Differential Equations, Linear Algebra, Probability

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank **267**(99.95 percentile) out of **0.5 million** candidates appearing IIT-JEE (2010)
- Awarded MHRD scholarship for securing All India Rank **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: AWS, MongoDB & Elasticsearch

JOB EXPERIENCE

Product Engineer, NLP team	Sprinklr	Jan, 2017 – Jun, 2017
<i>Technologies: Java, Python, Elasticsearch, MongoDB & nlp relevant libraries: tensorflow, keras, scikit-learn.</i>		
<ul style="list-style-type: none">Developed a spam filter for ad & porn categories; integrated with the main system & rolled out for 4 clientsDeveloped a word disambiguation model that increased accuracy of entity based algorithms from 80% to 85%		
Software Engineer	Baxi-The Bike Taxi	Jan, 2016 – Dec, 2016
<i>Technologies: Java, Python, MongoDB, SQL & AWS</i>		
<ul style="list-style-type: none">Automated payouts using a server-less architecture on AWS enabling daily transfer of incentives to 400 driversExtended database model using MongoDB's GeoJSON functionalities to enable dynamic & location based pricingIntegrated backend with Facebook Messenger bot, widening customer base & increasing daily rides by 30%		
Co-founder	Sentient Complex Dynamics	Jun, 2015 – Dec, 2015
<ul style="list-style-type: none">Prototyped an indoor positioning system based deals platform for a mall chain to increase customer engagement		
Team Leader, Quantitative Office	Bank of America	Jul, 2014 – May, 2015
<ul style="list-style-type: none">Engineered risk analysis tools on Python by identifying driving parameters and studying underlying statisticsCollaborated 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
<ul style="list-style-type: none">Illuminant invariant image using a color constancy approach, used Canny Edge Detection for shadow detectionImplemented a depth-based shadow removal approach using data from Intel RealSense depth camera	
Fine-grained leaf classification, IIT Mandi	Aug, 2016 – Dec, 2016
<ul style="list-style-type: none">Used pre-trained VGG-16 weights as fixed feature extractor on 185 leaf species from leafsnap datasetExperimented with model hyperparameters to determine best architecture for leaf-classificationDifferentiated species amongst leaf groups that appear similar to classifier using image processing techniques	
Sentiment Analysis on IMDB movie reviews:	
<ul style="list-style-type: none">Trained Random-Forest classifier on clusters of word vectors to achieve near perfect accuracies on IMDB reviews	

INTERSHIPS

Schlumberger Asia Services Limited, Nazira, Assam- Wireline Segment	Jun, 2013 – Jul, 2013
<ul style="list-style-type: none">Analyzed pre & post job processes to design process flow to minimize time & prevent crisscross flowCoordinated with ONGC to collect job work-orders & dispatch paperwork meeting client expectations	

HOBBIES

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