



SRIJAN MISHRA

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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks
2014	B.Tech in Mechanical Engineering	Indian Institute of Technology, Delhi	7.254

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: Python, Java, C, MATLAB, SQL and VBA
- Python Libraries: OpenCV, Keras, Theano, Tensorflow, Numpy and Pandas
- Other skills: Amazon Web Services, InfluxDB (Time series database) and MongoDB

PROJECTS

- Shadow Removal, Mobility Assistant for Visually Impaired, IIT Delhi** (Aug, 2016 – Present):
 - 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 – Present):
 - 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
 - Currently working on differentiating species amongst leaf groups that appear similar to the classifier
- Sentiment Analysis on IMDB movie reviews:**
 - Trained Random-Forest classifier on clusters of word vectors to achieve near perfect accuracies on IMDB reviews

JOB EXPERIENCE

- Software Engineer, Baxi-The Bike Taxi, Gurgaon** (Jan, 2016 – Present):
 - 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
 - Used Influx-DB, a time-series database to facilitate swift analytics
 - 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 chain
- Quantitative Developer, 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

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

EXTRA-CURRICULAR ACTIVITIES

- Photography and film making:**
 - Won prizes in cultural fests of 11 colleges; won various prizes at institute level as well
- Sports:**
 - 2nd Position, State Aquatic Championship ('08) & 1st Position, District Swimming Championship ('07)

HOBBIES

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