AMIT SHARMA

Address: 400E 33rd Street, Apt # 1601, 60616 Chicago
Email: asharm36@hawk.iit.edu **Mobile:** +1-312-479-5727
LinkedIn: www.linkedin.com/in/amitsharma1991 **Website:** https://amtsha09.github.io/

Summary

Seeking full-time opportunities in the field of Data Analytics and Python development. Experience in Data Analysis, AWS, Machine Learning and Web Technologies.

Education

- Master of Computer Science, **Illinois Institute of Technology, Chicago** **Aug'15 – May'17**
- B. Tech, Electronic Instrumentation & Control Engineering, **PCE Jaipur (India)** **July'10 – May'14**

Technical Skills

- Data Analytics using Python, R, AWS with API like FB, Twitter, Numpy, Scipy, Matplotlib, Networkx.
- Web Application Development using MySQL, HTML, CSS, Javascript, Jquery, Bootstrap, JAVA, Python.
- Cloud Computing using S3, DynamoDB and ec2 instances using Python Boto3 SDK, Linux.

Work Experience

Jaipur Development Authority, India | Data Analyst **JULY'14 – AUG'15**

- Collecting data from different sources like government records and market sources and cleaning it using R and python.
- Predicting the authenticity of the customer and developing individual records.
- Automating the data feeds for further processes.
- Generating reports, visualizations and future predictions.

Academic Projects / Paper Presentations

- **Bike-share user prediction using Neural Network** **Python**
  - Built a Neural Network implementing gradient descent and backpropagation.
  - Modifying parameters like number of neuron and hidden layers to develop best model to predict the number of bike-share users on a given day.

- **Cloud Enabled Distributed Task Execution Framework** **Python, AWS**
  - Developed a framework to execute large number of fine granular tasks using AWS like SQS and DynamoDB.
  - Built an app which converts image URLs into a 1 minute video and store them in S3 for users to download.

- **Real-Time Presidential Vote Prediction** **Python, TwitterAPI, NetworkX**
  - Tweets were fetched using Streaming TwitterAPI, Communities were formed based on the sentiments and according to the tweets it was predicted whether voter is going to vote in favor or against.

- **Content Based Movie Recommendation System** **Python, Pandas**
  - According to the genre which user likes new movies are recommended using tf-idf and cosine similarity.

- **Facebook Community Detection and Link Prediction** **Python, FacebookAPI, NetworkX**
  - "Like" data for Bill Gates was collected using FacebookAPI and same was done for one more hop.
  - Implemented Girvan Newman for detecting communities and new links or friends were recommended using the same approach.

- **Free-Lancing website and webpages** **HTML, CSS, Javascript, Jquery, Bootstrap**

- Sharma, Amit (Jan – March 2015) "**Transitioning to IPV-6**" International Journal of Computer Science and Technology (IJCST), vol-6.1, v2. http://www.ijcst.com/vol61/1/42-Pulkit-Gupta.pdf