

Shashank Singh

ssingh512@bloomberg.net | 480.465.2265 | shashanksingh28@gmail.com

EDUCATION

ARIZONA STATE UNIVERSITY

M.S IN COMPUTER SCIENCE

Aug 2017 | Tempe, AZ

GPA: 4.0 / 4.0

MUMBAI UNIVERSITY

B.E IN INFORMATION TECHNOLOGY

May 2012 | Mumbai, India

Sardar Patel Institute of Technology

LINKS

Github:// [shashanksingh28](#)

LinkedIn:// [shashankhsingh](#)

SKILLS

PROGRAMMING

Proficient:

- Python
- Javascript
- C++
- SQL

Familiar:

- C#
- Machine Learning & Statistics
- Bash Scripts
- Java & Hadoop

FRAMEWORKS & TOOLS

- Numpy, Pandas, Scikit-Learn
- NodeJS & VueJS

COURSEWORK

Graduate:

Fundamentals of Statistical Learning

Game Theory and Applications

Statistical Machine Learning

Adaptive Web

Software Security

Artificial Intelligence

Natural Language Processing

Masters Thesis

ACTIVITIES

HackArizona 2017, Best use of Watson platform (Sentiment Analysis)

Chess tournament organizer (Barclays)

Lead : Plan-India Micro-finance App

Tech Lead : Undergrad Cultural Fest

EXPERIENCE

BLOOMBERG | SOFTWARE ENGINEER - DATA TECHNOLOGIES

June 2017 – Current | Princeton, NJ

- Trained in C++, Javascript and Bloomberg Tech Stack.
- Created an AVRO schema driven web form generator (with some extended DSL) so that analysts don't need engineers to create data entry forms.
- Continuously enhancing Business Rule Engine (BRE), enabling analysts to write their data quality checks on a Python based micro-service framework. Also working on making BRE scalable to batch loads with workflow specific configurations.

ADVANTAGE XPO (CLIENT: AMEX) | RA - DIGITAL ACQUISITIONS

May 2016 – Aug 2016 | Phoenix, AZ

- Improved site visit model evaluation by incorporating log data and reducing lag by 3 days with end to end automation.
- Removed manual dependencies in dashboard monitoring by creating a config driven, subscription based email alert system for detecting anomalies.
- Led the development of modeling pipeline for US site personalization and integrated modules from data scientists. Developed dashboard for continuous quality checks in the pipeline.
- Analyzed Zip data and checked feasibility of mapping Zip5 from IP addresses.

ARIZONA STATE UNIVERSITY | DEVELOPER & TEACHING ASSISTANT

Oct 2015 – May 2017 | Tempe, AZ

- Improved ASU mobile app with 3 bug fixes and contributed to game-day experience module based on geo-fencing.
- Analyzed potential areas of leverage between Salesforce and Mobile teams.
- Teaching Assistant for Intro. to Soft. Eng. class responsible for conducting recitation sessions to help students understand concepts with examples.

BARCLAYS | TECHNOLOGY ANALYST

July 2012 – June 2015 | Pune, India

- Developed a C# based in-house, configurable ETL solution for .NET projects in Global Tax Team.
- Evaluated performance of Bulk File Payment Processing system and identified problem areas.
- Migrated 3 tax applications in a challenging 2 month time-line.

PROJECTS & RESEARCH

- CodeReco: An intelligent code recommender system (Masters thesis) that recommended Java method snippets based on both syntactic and semantic features from mined samples.
- Improved accuracy of the fanparser solution for Preposition Sense Disambiguation task by incorporating word embeddings (Word2Vec) and numerical features. Accuracy increased from 88.5% to 89%.
- AutoEncoder: Developed an auto-encoder neural net from scratch which can be configured in number of nodes and hidden layers. Used to learn a lossy compression of 32x32 facial images in a 216 hidden layer activations.