Los Angeles, CA
(571) 789-8828
utsavshah507@gmail.com

Utsav Shah

GitHub
LinkedIn
Portfolio

Technical Skills:

Advanced	Python, MATLAB, SQL Programming, Jupyter Notebooks, NumPy, Pandas, Scikit, LaTeX, Deep Learning.
Intermediate	Java, Git, Jira, Confluence, Cucumber Tests, Regular Expressions, Predictive Models, Recommender Systems.
Basic	TensorFlow, MapReduce, ggplot, Regression Analysis, R, Spark, Docker, Groovy, Jenkins, Raspberry Pi.

Work Experience:

Engineering Intern – Birdi & Associates, Inc., Pasadena, CA   **Oct. 2017 – Present**
- Using statistical methods to analyze large datasets, and generate data analysis reports for a California government based project.
- Project Coordinator for a Los Angeles government based project. Planning design, technical review, data migration, implementation and deployment for new operating system with User Acceptance Testing (UAT).
- Working with departmental managers to outline specific data needs for each business method analysis and create data models that depict trends in the customer base as a whole.
- Designing a security system used for gate access control at LAX that integrates two security cameras, openALPR, document scanner, badge scanner and pin entry, into one system and gathered requirements to deploy it wirelessly.

Development Intern – Datical, Austin, TX   **Jun. 2017 – Sep. 2017**
- Researching platform specific grammar for DB2, SQL Server, Oracle, PostgreSQL, and PL/SQL.
- Writing drool files (Business Rules Engine) and technical documentation for specific rules requested by Fortune 500 clients.
- Using Datical DB to deploy the SQL scripts to various RDBMS platforms using Git for version control and Jenkins for deployments in an Agile environment.
- Writing SQL scripts and Regular Expressions in Java, automating Datical DB using Ruby/Cucumber, and deploying the automation created to AWS instances.

Research and Development Intern – Shalimar Hardware, Mumbai   **May 2015 – Aug. 2015**
- Data and statistical analysis for clients in Python using tools such as Excel, NumPy and Pandas.

Projects:

Design of Neural Network – Implemented feed-forward and back-propagation algorithm and built a neural network to learn and grow with its weights auto-updated with every epoch using MNIST dataset. (GitHub link)

Cryptocurrency Market Analysis – Studying the market cap, comparing bitcoin to other currencies, and measuring volatility in cryptocurrencies using Pandas and MatplotLib. (GitHub link)

Music Taste Prediction – Performed an analysis of the recommender system algorithms, studied supervised learning and deep learning, discretized Million Song Dataset (MSD) to be able to efficiently obtain results using Python. (GitHub link)

Data Science Python Projects – Various implementations of algorithms such as Decision Trees, Multivariate Regression, Naïve Bayes, K Fold Cross Validation, etc., using Python3 libraries like Pandas, Keras, MatplotLib, TensorFlow, etc. (GitHub link)

Education:

Master of Engineering, Electrical Engineering – University of Cincinnati, GPA: 3.67/4.00   **Dec. 2017**
Bachelor of Technology, Electronics and Telecommunication – NMIMS University, First Class Hon.   **Aug. 2016**
Diploma, Entrepreneurship Management – Welingkar Institute of Management Development & Research   **Jan. 2014**

Awards and Certifications:

- Certification in **Core Java**
- Infosys Graduate Training in **SQL, Java, HTML**
- Certification in **Complete Python Bootcamp**
- Received **University Graduate Scholarship** at UC

Leadership, Volunteer, and Other Experience:

- **Test Center Administrator** – University of Cincinnati
- **Associate Collaborator** – HackerX Cincinnati
- **President** – IETE
- **Embedded Systems Intern** – ThinkLabs IIT Bombay
- **Treasurer** – Model United Nations Society
- **Community Service** – Ahimsa
- **Head of Department** – IEEE
- **Content Writer** – Housing.com