

Austin, TX  
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# Utsav Shah

[GitHub](#)  
[LinkedIn](#)  
[Portfolio](#)

## Technical Skills:

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Advanced	Python, MATLAB/Simulink, SQL Programming, MSSQL, DB2, Oracle SQL Developer, LaTeX, NumPy, Pandas.
Intermediate	Java, R, Tableau, Git, CMD, Jira, Cucumber Tests, Jupyter Notebooks, Regular Expressions, Pelican, SciKit.
Basic	Groovy, HTML, RubyMine, Jenkins, Raspberry Pi.

## Work Experience:

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### 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 client specific rules.
- 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.

### Data Analyst Intern – Enviro Analysts and Engineers, Mumbai

Apr. 2016 – Jul. 2016

- Environmental Impact Assessment on clientele data to provide economically feasible solutions and data wrangling with SQL.

### Data Analyst Intern – Shalimar Hardware, Mumbai

May 2015 – Jul. 2015

- Data and statistical analysis for clients using tools such as Excel, R, and Tableau.

## Projects:

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**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.

**Finding Maximum Clique based on Ant Colony Optimization(ACO)** – Created an online social network that finds the maximum clique by self-learning and growth using ACO and Preferential Attachment.

**Titanic Data Analysis** – Survival prediction of passengers using Random Forest Classification and Linear Discrimination Analysis. Wrangled and visualized data using descriptive statistics, NumPy, and Pandas.

**OpenStreetMap** – Used data munging techniques and applied schema on MongoDB to provide a statistical overview.

**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.

## Education:

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**Master of Engineering, Electrical Engineering** – University of Cincinnati, GPA: 3.67/4.00

Expected Dec. 2017

**Data Analyst Nanodegree** – Udacity

Expected Nov. 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:

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| • Certification in <b>Complete Python Bootcamp</b>  | Jul. 2017 |
| • Received <b>University Graduate Scholarship</b> at UC, that waived 35% of my annual tuition fees. | Aug. 2016 |
| • Certification in <b>Core Java</b>   | Apr. 2016 |
| • Infosys Graduate Training in <b>SQL, Java, HTML</b>   | May 2015  |

## Leadership, Volunteer, and Other Experience:

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