

github.com/keyur9  
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## KEYUR DOSHI

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### EDUCATION

<b>Stevens Institute of Technology, Hoboken, NJ</b>	<b>May 2017</b>
<b>Master of Science in Computer Science (Concentration in Data Science)</b>	<b>GPA: 4.0/4.0</b>
<b>Gujarat Technological University, Ahmedabad, India</b>	<b>June 2012</b>
<b>Bachelors in Computer Engineering</b>	<b>CGPA: 3.2/4.0</b>

### WORK EXPERIENCE

<b>EdLab, Teachers College Columbia University, New York, US</b>	<b>January 2017 – Present</b>
<b>Software Engineer</b>	
<ul style="list-style-type: none"><li>Enhancing user search experience by providing cross-domain, contextualized, and personalized learning resources.</li><li>Building next generation learning experience using Quuppa – A Real-Time Locating System.</li></ul>	
<b>Argus Information &amp; Advisory Services, New York, US</b>	<b>June 2016 – August 2016</b>
<b>Data &amp; Application Solutions Intern</b>	
<ul style="list-style-type: none"><li>Evaluated correlations among statistical data, identifying trends, summarizing findings across clients and products.</li><li>Spearheaded Global Studies Code Repository Application reducing validation time by 900 minutes per month.</li><li>Developed proof of concept for In-house application - built to replace Data Transformation Services packages.</li></ul>	
<b>Tata Consultancy Services, Mumbai, India</b>	<b>March 2013 – June 2015</b>
<b>Oracle Application Technical Developer</b>	
<ul style="list-style-type: none"><li>Designed and implemented complex integrations for General Electric (GE P&amp;W) enterprise level architecture.</li><li>Developed parts fulfillment component for the first time in GE history to address major pain point of fulfillments.</li><li>Initiated and led process improvement ideations generating savings of USD 50,000 annually + 75 minute wait time.</li></ul>	

### PERSONAL PROJECTS

<b>Netflix for Education, [Python – Flask – Mongo DB]</b>	<b>March 2016 – Present</b>
<ul style="list-style-type: none"><li>Building a system which provides social navigation course recommendations based on students' assessment of course relevance to their career goals, with an aim to empower student's to reach maximum potential.</li><li>Incorporating data sources such as YouTube videos, Google Scholar papers to produce broader recommendation.</li><li>Integrating explicit and implicit feedback provided by community of users to distill collective wisdom to individuals</li></ul>	
<b>Real Time Data Clustering, [R – Shiny – Mongo DB]</b>	<b>December 2015</b>
<ul style="list-style-type: none"><li>Developed a web application to exhibit the real time clustering of data and prediction based on user inputs.</li><li>Integrated features to download, share and visualize interactive plots of data.</li><li>Implemented Machine Learning models: K-Means Clustering, Generalized Linear Model</li></ul>	

### ACADEMIC PROJECTS – MORE PROJECTS ON GITHUB

<b>Web Server Log Analysis, [Apache Spark – Python]</b>	<b>July 2016</b>
<ul style="list-style-type: none"><li>Developed a log analyzer to analyze the HTTP requests in NASA Kennedy Space Center web server.</li><li>Processed the source of the hosts and failed requests to analyze client behavior and visualize the results.</li></ul>	
<b>Communicated Stories with Tableau, [Tableau – Mapbox – D3.js]</b>	<b>April 2016</b>
<ul style="list-style-type: none"><li>Developed visualization showing geographic dispersion of NYC Citi bikes throughout the day using Mapbox.</li><li>Created dashboard to represent twitter user habits and engagements over time using Twitter API data and d3.js.</li></ul>	

### SKILLS

**Languages / Stack:** Python (sklearn, pandas, PySpark, nltk), C, Java, PL/SQL, Elasticsearch, Logstash and Kibana (ELK)  
**Statistical Modeling Languages:** R, SAS, SAS Enterprise Miner  
**Big Data Ecosystem:** Map Reduce, Hive, Apache Spark, Amazon EC2  
**Databases:** Oracle, MongoDB, SQLite, SQL Server  
**Build Tools / Version Control Systems :** Docker, Maven, Jenkins, SVN, Git, Github  
**Visualization:** Tableau, D3.js, Shiny, ggplot2, Plotly  
**Certificates:** Six Sigma Green Belt Certified, Google Analytics Certified