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DIXIT KESHAVBHAI PATEL

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EMPLOYMENT

Software Engineer	**Cisco Systems**	**Sept 2016 - Present**

- Working on Web Application based on Flask, MongoDB, MySQL, React & Redux.
- Implemented a generic notification system which notifies based on the latest record, insufficient state, threshold levels, etc.
- Designed an Admin System to grant access control for the entire organization
- Integrated cflow into the system to achieve code-coverage.

Java Development Intern	**Genesys Telecommunications**	**May 2015 – Dec 2015**

- Designed a scalable data architecture using Open-source software viz. Log-courier, Logstash, Elasticsearch & Kibana (ELK) with searchers, masters, data-nodes & indexers, currently ingesting 11,000 events per second.
- Customized Logstash filters in Ruby (JRuby), Perl scripts & Java indexing modules to ingest synthesized data.

Senior Systems Engineer	**Infosys Ltd.**	**Sept 2011 – Aug 2014**

- Application Developer for a J2EE application titled "VPN automation" which automates whole VPN order processing till the step of provisioning,
- Reduced redundancy in code and number of database connections by implementing a Generic Database Service in Hibernate using JAX-WS framework & Java Reflections.
- Spearheaded the migration of Web Services & Web Applications from Tomcat 6.0 to Weblogic 12c.

Teaching Assistant	**Northeastern University**	**Jan 2016 – July 2016**

- Teaching Assistant for Information Retrieval in Spring 2015, Spring 2016 & Summer 2016.

EDUCATION

M.S. in Computer Science	**Northeastern University**	**Sept 2014 – July 2016**
B.E in Computer Engineering	**University of Mumbai**	**Aug 2007 – May 2011**

TECHNICAL EXPERIENCE

- **Parallel Data Processing Framework (Java, EC2, S3):** Designed & developed own Map-Reduce framework in Java, which runs on AWS EC2 with S3 as storage and locally.
- **Data Science & Big Data Analytics (EMR, S3, Java, Hadoop, R):** Analysed Airline on-time performance datasets to predict Missed Connections, Delayed Flights, Routing Details, etc. by building models using Elastic MapReduce & Hadoop.
- **Social Network Analysis (D3.js, Java):** Solved the puzzle of the most influential people in the social network in Enron dataset. Implemented algorithms such as Betweenness centrality, Closeness centrality, Floyd-Warshall and Degree centrality on a 16k graph in Java. Visualized the social network using D3.js.
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Languages and Technologies

- Java, JavaScript, ECMAScript, React, Redux, Angular 4, NodeJS, AngularJS, CSS, REST, Python, CSS, D3.js
- MySQL, MongoDB, ElasticSearch, Oracle, Amazon S3
- Git/Github, Zookeeper