Kaushal Desai

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Candidate Summary

- 2+ years of experience in **Analytics Engineering** and **Software Engineering** with knowledge of **Machine Learning, Data Warehouse, ETL** and strong proficiency in **SQL**
- 2+ years of experience with web technologies such as **HTML/CSS, JavaScript** and **PHP**
- Extensive experience **handling large sets of data, performing data cleaning, data management, filtering** and **reporting**
- Experience in **statistical modeling** and **Big Data Technologies** with knowledge in open source platforms **R, Python, and OTSS** such as **MS Azure**
- **Business Intelligence** experience with knowledge of BI tools such as **Tableau** and **MS Excel** to build **dashboards   create analysis reports**

Skills

Development Tools	Python, Java, C
Analytics and Reporting	SQL, R, Python, MS Azure
Database Management	MS SQL Server, Spark, Hadoop, ETL, Informatica
Business Intelligence	Tableau, MS Excel(Advanced)

Work Experience

Technology Consultant, Empire State Realty Trust, New York, NY   Jan 18 - Present
- **Liaise** with stakeholders to **gather** and **determine business**, **software**, **hardware** and **network requirements**
- Perform analysis of the **business process flow**, determine **project scope** and define **business objectives**
- Analyse **technology requirements** within organization and provide **technical advice** on key technology issues by developing agreed solutions and implementing new systems
- Assist client with **change-management**, **documentation** and **presentation** of **progress reports** to senior management in written or oral format

Data Analyst, New York University, New York, NY   Feb 16 - May 17
- **Improved data retrieval** time by **60%** by **designing** and **implementing cloud based information management systems** to **store** and to **manage** department data
- Defined **KPI** to **monitor** and **report** department performance by generating **dashboards** and **visualization reports**
- Focused on minimizing crime on-campus by identifying **trends** and **correlations** between **KPI** using **regression modelling** and **time series forecasting** through **trend** and **root-cause analysis**

Data Analyst Intern, NYU School of Medicine Research IT, New York, NY   Sep 16 - Dec 16
- Initiated**,** designed and planned end user **cloud based data management system** in **AWS RDS**
- Developed **UI** to fetch and report search queries in concise and clear manner utilizing **SQL**
- Built **data pipelines** utilizing **ETL** tool **Informatica** to integrate data from **data-warehouse** into the target database and documented mappings into **data mapping documents**

Data Analyst Intern, TCR Inc. Weston, CT   Jun 16 - Sep 16
- Partnered with senior management and **subject-matter experts** to **define project scope** and designed Analytics platform with **NLP** capabilities using **Python NLTK** package
- Documented requirements and designed and integrated solutions while working with **cross functional team** under **fast paced environment**
- Created **Dashboards** and **visualization reports** using **Tableau** and **Python packages** that provided **insights** and **trends** within the data to provide **business solutions**

Web Analytics/ Developer, Freelance, Mumbai, India   Jun 14 – July 15
- Worked with three major clients within legal and environmental sciences domain to **increase client revenue** by average **9%** in **two months** by **improving their web presence** through **web analytics** projects
- **Increased user traffic** by average **7% per month** by defining and monitoring **KPI** using **Google Analytics, MS Excel** such as **bounce rate, number of visits, average time per session, online search queries to track web traffic**
- Provided **cyber security** from **cyber-attacks** and **hackers** by **storing** and **managing** website data and sensitive information for the client by building **data warehouses, data pipelines** using **AWS RDS, MS SQL** server

Web Developer, Inonit.in, Mumbai, India   Jan 14 – Jun 14
- Developed **ecommerce** website and platform from the bottom-up for online retail startup under **strict deadlines** and **limited budget** using **SQL, PHP, Java web applications, HTML, CSS**
- **Improved sales** by **13%** within **2 months** by analyzing **user trends, user behavior** and **user conversion rate** using **Google Analytics** to dynamically **improve website design**
- Stored over **200,000 records** by building robust **data warehouse** using **RDBMS** and **data pipelines** using **ETL tools**. Built **data models**, **database schemas**, **data mapping documents**

Projects

Expedia Recommender System, NYU   Aug 2016
- Developed recommender system with 71% accuracy rate for Expedia Hotel Services
- **Improved data quality** by conducting **data cleaning, data filtering, data manipulation**
- Implemented **machine learning** techniques such as **K-means clustering** and **statistical modelling** such as **logistic regression**, **decision tree** in **R, MS Azure, Spark MLlib, Tableau, Scala and Python**

Amazon MTurk Population Dynamics Assessment, NYU   Jun 2016
- **Predicted** worker population activity by conducting **time series forecasting** and monitoring **KPI**
- Estimated population size across time series to **analyze activity** by **devising estimation algorithms**
- Identified **relationship** between **churn rate** and **demographic features** through **regression models**

Fannie Mae Mortgage Crisis Forecasting, NYU   Aug 2015
- Elicited business requirements for **documentation** and **requirement validation**
- Utilized **ETL** process from **statistical techniques** and focused on **data quality improvement**
- Developed **regression** and **classification models** to **predict** the delinquency outcome with **accuracy of 82%**
- Developed effective **analysis** by **monitoring** KPI using **data visualization techniques**

Education

Master of Science – Information Systems   May 2017
New York University – Stern School of Business and CIMS, New York, NY

Bachelor of (Hons.) – Computer Science   Dec 2013
Birla Institute of Technology & Science – Pilani, India