

Vaibhav Prasad Desai

Data Scientist

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Data Scientist and Business Intelligence professional with 7+ years of experience in Data Engineering, Data Science, Machine Learning, and SQL expertise. Highly skilled in mining Big data, deriving insights, and storytelling.

- Technical Skills: - Python - SAS - Teradata - T-SQL - Google Big Query - Google Machine Learning - Spark
- Cloud technologies: - Google Cloud Platform (GCP) - Microsoft Azure - AWS
- Visualization: - Tableau dashboards - Excel - Google Data Studio

Areas of expertise: A/B Testing, ETL, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistical Modelling, Data Management, Recommendation Analysis, Bayesian techniques, Excellent team player

Professional Experience

Data Scientist, Bed Bath and Beyond • Union, New Jersey

Jan 2018 – Current

- **A/B Testing:** Built self-reliant transparent and flexible process for retail store campaigns by **Clustering** via K-means to group similar stores forming foundation for **test and control measurement culture** with **estimated savings of \$1M+**.
- **Propensity model:** Identified prospects for inhouse private label furniture line using **Logistic Regression and Feature selection** of customer's attributes along with **market basket analysis**. **Increased Net Sales by 30% YOY** category level.
- **Search Relevancy:** Boosted search precision for eCommerce using **semantic text embeddings**; optimized code using **Spark MLeap** and hosted the computation process on **Google Cloud Platform** resulting in **22% average lift in CTR**.
- **Sentimental Analysis:** Leveraged customer reviews on social media for stores via **Python/ Selenium scraping** to develop data model (Cloud Scheduler) using **NLP**. Created **Tableau dashboard** aiding store associates to improve customer service.
- **Shipments Cost Minimization:** Quantified the impact of split shipments using exploratory **data analysis via SQL and Regression**. Led to improved order processing flow, inventory management with an **instant savings of \$800K**.

Data Science Engineer Intern, ADP • Roseland, New Jersey

Jun 2017 – Aug 2017

- **Automation Testing:** Led the testing project working with cross-product teams; **scripting** and building customized testing framework deployed as **CI/CD pipeline on AWS**. Automation led to **30% rise** in test cases.
- **Time Series Forecasting:** Projected quarterly sales for Sales Mgrs.(POC) via **ARIMA** with historic **accuracy of +/-25%**.

Senior Data Engineer, International Experience (Datavail, Godrej, Clover Infotech) • India Aug 2008 – Aug 2016

- **Business Intelligence Analytics:** Consulted and collaborated with development and management teams to deploy **ETL** processes (**SSIS Microsoft**) and develop timely **Reporting** solutions on Key Performance Indicators (**KPIs**).
- **Optimization:** Led Cost reduction projects by **optimizing SQL stored procedures** and implemented robust data security and quality. Developed automated tasks for weekly and monthly processes using **PowerShell** scripting **improving efficiency by 95% and saving over 40% maintenance costs**.

Education

Master of Business Intelligence and Analytics, Stevens Institute of Technology, NJ, USA

Dec 2017

Bachelor of Engineering, Computer Engineering, University of Mumbai, Mumbai, India

May 2008

Certifications: Microsoft Certified Professional (SQL Server), AWS Solution Architect (Associate), ITIL Foundation

Activities

Community Emergency Response Volunteer – Hoboken Chapter (CERT FEMA)

Oct 2016 – Current

Other Skills: Statistics, Design of Experiments, Unix, NoSQL Databases, Data Processing & Warehousing, NumPy, Pandas, NLTK, TensorFlow, Regression, Predictive Modelling, Git, Hadoop, Hive, Curious, Critical & Creative Thinking