

# VINAY KUMAR VASCURI

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## EDUCATION

### University of Utah, David Eccles School of Business, Salt Lake City, Utah, USA

Masters (MS) in Business Analytics (MSBA), GPA- 4.0/4.0

Aug 2022 to Dec 2023

**Relevant Courses:** Data Visualization, Machine Learning, Big Data Analytics, Statistics, Statistical modeling, Database Theory- Conceptual & Logical Modeling, DBMS- Relational Database, Supply Chain Management, Data Science & Big Data

### Andhra University, India

Bachelor of Engineering (B.E) -Electronics & Communication engineering, GPA- 8.87/10.

## SKILLS

- **Programming Language:** SQL, R (dplyr, ggplot, Tidyverse), Python – NumPy, Pandas, PySpark, JavaScript
- **Database Tools & Technologies:** Databricks, MS SQL Server, PostgreSQL, SharePoint, MS Office, Visio, Advanced Excel (Pivot Tables, Macros), Lucid chart, Spread sheets, Smartsheet, SAP-ERP, SQL, GitHub, Oracle SQL, Informatica, SSIS, SSRS, Azure Cloud, Data Pipelines,VBA.
- **Data Visualization & ETL Tools:** Tableau, Power BI, RStudio, Jupyter Notebook, Google Colab, Domo, Alteryx (ETL)
- **Key Skills:** Project Management, Agile, Quality Assurance, Data Analysis, Process Improvement, Insights generation.

## ACADEMIC PROJECTS

- **Game Day Analytics Challenge (GDAC):** [1<sup>st</sup> Position](#)-- Analyzed Super Bowl commercial tweets from Twitter API using **Alteryx**, **Azure** Cognitive Services and **Python** to provide valuable insights to advertisers, including sentimental analysis and return on ad spend. Designed data visualizations and dashboards using **Tableau** to present key findings to a panel of judges.
- **Domo-Layton Hackathon:** Utilized Domo to identify variables that correlated with safety incidents across all 2019-2021 Layton Construction work sites so as to provide KPIs and actionable insights for the management team. Designed dashboards and performed ETL in SQL subsequently gaining knowledge on new tool with in 48 hours.
- **Kaggle Projects:** Created dashboards using Tableau on Covid-19 data, Air Travel Data.

## EXPERIENCE

### University of Utah, Salt Lake City

Sep 2022 to till date

- Working as **Graduate Teaching Assistant** at Dept of Marketing managing Graduate and Undergraduate students in the subjects of Business Analytics and Statistical concepts.

### Bharat Heavy Electricals Limited, (BHEL), India

#### Operations & Business Analyst

April 2018 to July 2022

- **Database Administration:** Led the team in creating and maintaining PostgreSQL tables for the platform, ensuring data integrity and security by implementing access controls and backups. Worked with the database administration team to refine the PostgreSQL schema to optimize query performance and support new data requirements.
- **Data Visualization:** Devised and maintained dashboards using **Tableau** and **SQL** to track key performance metrics for the control and instrumentation software operations, resulting in a 20% increase in visibility into operational data and improved decision-making for senior management.
- **Supply Chain Analyst:** Developed relationships with key stakeholders, worked on projections and inventories, monitored results, and reviewed performance that increased the profit by 9%. (\$1.1M to \$1.2M).
- Contributed and assisted to inter-disciplinary project teams with overall analysis, project forecasting, logical testing, identifying project risks, quality assurance, and post launch support as required reducing lead time by 12%.
- Utilized **Alteryx** to streamline data processing and analysis, resulting in a 30% reduction in processing time and improved data accuracy. Collaborated with various teams to develop customized workflows to meet specific business needs.

#### Data Analyst, BHEL Operations Group

May 2014 to March 2018

- Developed custom reports and dashboards that provided information on KPI's for internal and external stakeholders increasing productivity by 5%.
- Collaborated with cross-functional teams to develop and implement a predictive maintenance model using SQL, Tableau, and Excel, resulting in a 20% decrease in maintenance costs and a 10% increase in system uptime.
- Performed a cost-benefit analysis of transportation options using SQL and Tableau and recommended an optimized transportation strategy, resulting in a \$20,000 reduction in transportation costs.
- **Consulting Experience - Acted as Technical Consultant at Sendou power station, Senegal, West Africa.**

## REWARDS & CERTIFICATIONS

- **Datacamp Certifications** –R, SQL, Tableau. **IBM Certification**– Data Analytics, Excel for Data Analysis, **Hacker Rank**-SQL
- Best Executive Award from BHEL Top management in 2018 out of 1500+ executives.

## ACTIVITIES

- Proficient speaker of 4 different languages
- Volunteer at **U Pantry**, University of Utah