

# RUTWIK GUNTOORKAR

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## SUMMARY

Detail-oriented Business Intelligence Engineer with over 3 years of experience in data analytics, visualization, and business intelligence. Proficient in SQL, Redshift, Python, Power BI, and Tableau to build scalable data models, optimize ETL pipelines, and develop actionable insights. Skilled at data storytelling, creating interactive dashboards, and driving data-driven decision-making in ambiguous and complex environments. Adept at collaborating with cross-functional teams to enhance organizational efficiency and influence key business outcomes.

## EDUCATION

**Master of Information Technology & Analytics**, Rutgers University, Newark  
**B.E. Computer Engineering**, University of Mumbai

Aug 2022 - Dec 2023  
Aug 2016 – May 2020

## EXPERIENCE

### Research Assistant

Rutgers University, Newark, NJ

Feb 2024 – Present

- Developed and deployed Bayesian statistical models, achieving a 20% increase in research ROI.
- Automated data collection processes using Python, implementing scheduled scripts to extract and clean data from multiple sources, which reduced manual intervention by 40%.

### Senior Business Analyst

Nibbles Forever LLP, Mumbai, IN

Oct 2021 – Apr 2022

- Designed real-time Power BI dashboards, improving marketing campaign ROI by \$100,000 and enhancing data-driven decision-making.
- Built and optimized ETL pipelines using **Databricks** and **AWS Glue**, reducing processing time by 50% while ensuring robust data models.
- Automated **report generation scripts** using Python, cutting down reporting time by **35%** and streamlining **data visualization workflows**.
- Developed advanced **DAX measures** and implemented **row-level security (RLS)** to secure data access and improve stakeholder trust.
- Collaborated with cross-functional teams to gather business requirements, translating them into **scalable BI solutions** that boosted stakeholder satisfaction by **20%**.

### Business Intelligence Analyst

Rookiedeck Pvt Ltd, Mumbai, IN

Dec 2019 – Oct 2021

- Architected **ETL pipelines** and built **data warehouses** using **SQL Server** and **Databricks**, improving **data accessibility** by **30%**.
- Designed and deployed **interactive Tableau dashboards**, empowering non-technical users with self-service capabilities, reducing dependency on the analytics team by **40%**.
- Conducted performance modeling and data forecasting using ARIMA models, leading to a **25% boost in operational efficiency**.
- Audited and optimized existing Tableau reports by improving **data sources** and enhancing reliability for accurate **data-driven decisions**.
- Partnered with marketing and operations teams to identify key metrics, creating **tailored Tableau solutions** that increased campaign effectiveness by **20%**.

## SKILLS

**Programming Languages:** Python, SQL, R

**Data Science & Analytics:** Predictive Modeling, Data Mining, Scikit-learn, pandas, Matplotlib, NumPy

**Data Visualization & Analysis:** Power BI, Tableau, Excel, Qlik

**Big Data Technologies:** AWS Redshift, AWS S3, Databricks, Snowflake, Google BigQuery

**ETL & Data Integration:** Alteryx, Apache Airflow, AWS Glue, AWS Lambda, Azure Data Factory, Teradata

**Statistical Analysis:** t-test, Chi-squared, ARIMA, Bayesian modeling

**Databases:** Microsoft SQL Server, PostgreSQL, Oracle, MySQL, Teradata

**Project Management:** JIRA, Confluence, Trello, Agile Methodologies

## PROJECTS

### Credit and Risk Assessment for Banking Systems

- Optimized credit risk models using Linear Discriminant Analysis (LDA) and regression trees, leading to a 22% increase in profit margins and delivering \$134M in financial benefits.

### Flight Arrival and Delay Analysis

- Developed interactive dashboards using Tableau to track flight patterns, streamlining operational processes and reducing delays by 15%. Implemented a time-series forecasting model using ARIMA in Python, suggesting in a 25% reduction in error rates for delay predictions.