

# DIVYA GAYATHRI KOLLOJU

## Data Analyst

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### EDUCATION

#### Florida International University

Miami, USA

M.S. in Computer Science

Aug 2023 - Aug 2025

- GPA: 3.5/4.0

- Related Coursework: Data Analytics, Business Intelligence, Machine Learning

#### Veltech Rr & Dr. Sr Institute of Science and Technology

Chennai, India

B.Eng in Computer Science

June 2019 - May 2023

- GPA: 7.7/10

- Related Coursework: Data Structures and Algorithms, Database Systems, Software Project Management

### EXPERIENCE

#### Florida International University - Research Assistant

Miami, USA (Jan 2023 - April 2025)

- Analyzed survey and interview data in SPSS and R to generate reports and academic visualizations, contributing to two publications and enhancing research credibility.
- Led research meetings with faculty and graduate students, delivering data-driven insights that directly influenced study designs and improved research decision-making processes.
- Supervised and trained undergraduate assistants on data analysis techniques, boosting team productivity by 20% and expanding their involvement in published academic work.

#### Humana - Junior Data Analyst

Hyderabad, India (Aug 2022 - Jul 2023)

- Collaborated with cross-functional teams to deliver actionable insights, managing AWS data workflows and creating Tableau dashboards that improved decision-making speed by 30% and reduced processing times by 10%.
- Developed and delivered monthly leadership reports by optimizing SQL queries for large datasets in Amazon RDS and Oracle, ensuring timely and accurate reporting of KPIs.
- Leveraged Amazon Athena for serverless SQL queries on S3 data, enabling faster insights and streamlining data analysis.
- Performed EDA using Python (Pandas, NumPy, Seaborn), implemented A/B testing, and built Tableau dashboards.
- Enhanced model performance with feature engineering and clustering techniques, and automated data workflows, reducing manual tasks by 25%.

### SKILLS

**Data Analysis & Visualization:** SQL, Excel (PivotTables, VLOOKUP), Power BI, Tableau, Python (Pandas), R, PySpark

**Databases:** Teradata, Azure SQL Database, AWS RDS, Oracle, MySQL, PostgreSQL

**Project Management Tools & Methods:** Jira, Trello, Asana, MS Project, Agile Frameworks, Scrum, Kanban

**Technical Tools & Platforms:** APIs, Postman, Salesforce, SAP, ERP Systems, SharePoint, Azure DevOps

**Data Cleaning & Transformation:** Pandas, NumPy, OpenRefine, Alteryx, PySpark

**Cloud Platforms & Services:** AWS (S3, Lambda, Athena, Redshift), Microsoft Azure (Synapse, Data Factory), Google Cloud Platform (BigQuery, Google Sheets)

### PROJECTS

#### Customer Churn Analysis and Retention Strategy

- Analyzed customer behavioral patterns using Python (Pandas, NumPy) and visualized churn trends in Power BI, enabling the identification of at-risk segments across X customer cohorts.

#### Stock Market Prediction with Neural Networks

- Engineered a time-series forecasting model using Scikit-learn and Keras to predict stock prices, cleaning data with Pandas and visualizing results using Matplotlib.

#### Helping-Hands Web Platform

- Collaborated with frontend and backend developers to gather user requirements and optimize data modeling in MongoDB, improving database efficiency and user flow logic.

#### Cab Fare Prediction System

- Developed a fare prediction model using historical data and Scikit-learn, cleaning input features with Pandas to increase model accuracy and fairness for different trip types.