

PRANITHA POOSA

United States | +1 (857) 707-5785 | poosapranitha@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

NORTHEASTERN UNIVERSITY

M.S. in Information Systems, GPA: 3.79/4.0

Boston, MA

May 2024

VNR VIGNANA JYOTHI INSTITUTE OF TECHNOLOGY

B.Tech. in Electronics and Communication Engineering (E.C.E.), GPA: 3.7/4.0

Hyderabad, India

August 2020

SKILLS

Programming Languages: Python, SQL(MySQL, PostgreSQL), NoSQL (mongoDB)

Data Visualization: Microsoft Excel, Tableau, Power BI, Amazon QuickSight, Plotly

Cloud Platforms: AWS (IAM, S3, EC2, Red Shift, Athena), GCP (IAM, GCS, BigQuery, Compute)

Competencies: Statistical Analysis, Data Visualisation, Database Management, ETL/ELT, Dashboards & Reporting

Certifications: Tableau Desktop Specialist ([Link](#))

WORK EXPERIENCE

CIRCUIT ATTORNEY'S OFFICE

St.Louis, MO

Data Analyst

Oct 2024 - Present

- Collaborated with 5 internal teams to gather requirements and analyze data related to charges issued, arrests and sentencing
- Streamlined data preparation processes by leveraging SQL for data extraction, Excel for data transformations and generated reports for key stakeholders, crime strategy units for law enforcement decisions
- Developed ~25 interactive dashboards using Tableau, embedded them into stakeholder reports to evaluate crime trends, and highlight demographic disparities in the criminal justice system
- Performed linear regression analysis to identify correlations in incarceration and recidivism rates, contributing to data-driven policy discussions
- Supported data integrity verification tasks by conducting audits for the data stored in the internal case management systems
- Partnered with law enforcement agencies and departments to prepare and transform datasets for CompStat analysis, improving cross-agency collaboration and data accuracy

SAFRON ROCK INC

Morganville, NJ

Business Data Analyst Intern

Jul 2024 - Sep 2024

- Coordinated with a client's development and QA team to prioritize tasks, draft user stories, balance resource allocation, and deliver software updates as per deadlines
- Utilized agile methodologies and tools like Excel and Jira to streamline product delivery processes, resulting in a 20% improvement in phase completion times
- Effectively communicated project progress via custom dashboards built using Tableau, and soliciting feedback for continuous improvement
- Assisted in an application's transition to an automated inventory management system, conducted functional testing and user acceptance testing to ensure smooth production releases

COGNIZANT TECHNOLOGY SOLUTIONS

Hyderabad, India

Data Analyst

Nov 2020 - Jul 2022

- Analyzed and optimized data workflows for a network infrastructure project, utilizing Snowflake to enhance ELT pipeline efficiency, reducing data processing times by approximately 30%
- Partnered with cross-functional teams to extract data from client systems, conduct in-depth data analysis using Python, and identify key business metrics for decision-making, leveraging Google BigQuery for scalable data storage
- Developed interactive Tableau dashboards and generated ad-hoc reports to provide actionable insights on pricing forecasts, raw material orders, and inventory management, improving business forecasting accuracy
- Led a proof of concept (POC) to validate and ensure data quality prior to ingestion, working closely with stakeholders to align the process with business needs and data governance standards
- Optimized SQL queries to enhance data retrieval efficiency, ensuring timely access to critical business information by restructuring queries and eliminating redundant calculations

ACADEMIC PROJECTS

NYPD Arrest Data (Historic) Insights | Tableau, BigQuery, Python ([Link](#))

- Examined New York City police enforcement activity by using BigQuery for data querying and Python for data cleaning, resulting in Tableau dashboards that revealed key trends and patterns, published on Tableau Public

Formula 1 Race Data Analysis | SQL, PowerBI (DAX), Power Query ([Link](#))

- Transformed F1 race data using Excel and Power Query for initial EDA and data modeling
- Created a snowflake schema, and developed dynamic PowerBI reports with advanced DAX calculations, effectively visualizing KPIs related to Formula One racing details

Rental Property Management System | SQL, Stored Procedures, Triggers, Functions ([Link](#))

- Designed and implemented a normalized database with 20+ entities, using SQL, stored procedures, functions, and triggers to support complex business queries and reporting.
- Built interactive Tableau dashboards to visualize customer preferences, rental trends, and apartment availability