

ROHITH PANCHINENI

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SUMMARY

Data analyst with 3.5 years of experience in data management, analysis, and automation. Passionate about solving data problems and leveraging technology to uncover insights and support strategic decision-making.

WORK EXPERIENCE

Data Analytics Specialist, Ohio Department of Children and Youth

Remote, OH, USA

Oct 2024 – Present

- Streamlined reporting processes by implementing automated SQL scripts, reducing report generation time by 12% and minimizing manual errors in monthly analytics.
- Developed data-driven dashboards in Tableau to visualize program performance, enabling senior leadership to track KPIs and identify trends, leading to a 21% improvement in decision-making efficiency.
- Collaborated with cross-functional teams to standardize data collection processes, improving data quality and analysis speed by 18%.

Research Data Analyst, Center for Urban Transportation Research, USF

Remote, FL, USA

March 2023 – Oct 2024

- Performed statistical analysis, including t-tests, on mobile phone usage and driving patterns, identifying key metrics to inform road safety initiatives and decrease accidents by 12%.
- Led a team of 4 researchers to create transportation data visualizations with Python, Power BI, and ArcGIS, improving infrastructure planning efficiency and saving 150 hours annually.
- Managed datasets from multiple sources, ensuring consistency and reducing discrepancies in data quality validation by 10%.

Business Intelligence Analyst, Accenture Solutions Pvt Ltd

India

July 2021- August 2022

- Engineered and optimized ETL processes, leading to a 43% reduction in data errors and a 28% increase in operational efficiency in analyzing pharmacy claims data.
- Conducted SQL-based data discrepancy investigations on Oracle databases, reducing errors by 72%, and standardized root cause analysis procedures in Microsoft Word, cutting investigation time by 48%.
- Introduced real-time Tableau dashboards, cutting insurance claim processing time by 18%, reducing manual workload by 42%, and saving \$15,000 annually in labor costs.

Data Analyst Intern, Cognizant Technology Solutions

India

Feb 2021 – July 2021

- Streamlined data processing by implementing automated ETL pipelines in Azure Data Factory, resulting in an 18% reduction in data loading time and improving overall data transfer efficiency.
- Analyzed telecom customer data using advanced statistical methods, resulting in a 15% increase in customer retention rates within six months.

PROJECT EXPERIENCE

MDW: Membership Data Warehouse (Informatica, Excel, Linux)

- Managed healthcare claims data, overseeing ETL pipelines developed using Informatica.
- Administered ad hoc tasks and automated processes to generate and distribute reports to stakeholders during daily meetings.
- Performed routine maintenance and upgrades on the data warehouse on a monthly, biweekly, and yearly basis.

Covid-19 Time-Series Forecasting (LSTM, GRU and ARIMA)

- Carried out data preprocessing and cleaning to ensure accurate and high-quality data for analysis.
- Architected a regression model with three machine learning algorithms to forecast global COVID-19 cases for ten days, achieving a low RMSE of 100 and an R² score of 0.95.

Bank Loan Analysis Dashboard(PowerBI, SQL, Excel) [Bank Loan - Power BI](#)

- Extracted and cleaned loan data using SQL queries and Excel, resulting in a dataset of 38,000 records.
- Calculated key KPIs such as Total Loan Applications, Total Funded Amount, Average Interest Rate (12%), and Average Debt-to-Income Ratio (13.3%) using Excel and SQL.
- Constructed dynamic Power BI dashboards showcasing KPIs including Good Loan Application Percentage (86%) and Bad Loan Application Percentage (14%), along with additional metrics like Month-to-Date Loan Applications (4,300) and Good Loan Funded Amount (\$370.2M).
- Incorporated various chart types to visualize loan term analysis, employee length analysis, loan purpose breakdown, and home ownership analysis, facilitating easy interpretation and decision-making.

EDUCATION

University of South Florida	Tampa, Florida
Master of Science - Computer Science	Aug 2022 – May 2024
Anurag Group of Institutions	India
Bachelor of Technology - Computer Science	Aug 2017 – July 2021

SKILLS

Core Skills: Data Analysis | Statistical Modeling | Time-series Forecasting | Data Visualization | Project Management | Research & Analysis | Communication & Presentation | Data Modeling | KPI Development

Programming & Tools: Python (Pandas, SciPy, NumPy, Scikit-learn) | SQL| Snowflake| Tableau | Git | Power BI (DAX, PowerQuery) | MS Azure | MS Office Suite (PowerPoint, Word,Access, Excel)| Jira

ACHIEVEMENTS and CERTIFICATIONS

- Won 2nd place at the 2024 Florida Automated Vehicles (FAV) Summit Student Poster Competition.
- Microsoft Certified: Azure Fundamentals
- Goldman Sachs Engineering Virtual Program