Lohitha Reddy

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**SUMMARY**

# Data Analyst with 4+ years of experience leveraging SQL, Python, Tableau, and Excel to transform data into actionable insights across academic and business settings. Proven track record in building interactive dashboards, automating reporting pipelines, and driving data-informed decision-making. Adept at simplifying complex data to influence business and public sector strategy.

# SKILLS

* **Languages & Tools:** Python, R, SQL, Excel, Tableau, Power BI, Git, SSMS, Oracle, MongoDB, Hive, Pig
* **Databases:** Relational Databases, Oracle DB, PostgreSQL, MySQL
* **Cloud & Platforms:** AWS (S3, Redshift, Athena), Google Sheets, Jupyter, SaaS Applications, ERP Systems
* **Concepts:** Data Cleaning & Transformation, Statistical Modeling, A/B Testing, Data Warehousing, BI Reporting, Big Data Analytics
* **Methodologies:** Agile, Scrum | Tools: Jira, GitHub
* **Other:** Looker (basic), API Integration, Stakeholder Reporting, Version Control

# PROFESSIONAL EXPERIENCE

**Graduate Research Assistant** Murfreesboro, TN

***Business and Economic Research Center - Middle Tennessee State University*** *April 2024– May 2025*

* Collected and analyzed economic datasets (Census, BLS) using R and Microsoft Excel.
* Developed Tableau dashboards automating quarterly housing trends and economic indicators for state agencies (TACIR, BERC).
* Wrote monthly economic reports and quarterly housing reports for the BERC (MTSU) and Tennessee Advisory Commission.
* Published interactive Tableau dashboards and seasonal trend reports on websites: [Tennessee Advisory Commission on](https://tacir.mtsu.edu/)  [Intergovernmental Relations](https://tacir.mtsu.edu/) and [BERC Housing Reports.](https://berc.mtsu.edu/housing/)
* Participated in departmental activities, seminars, and conferences to engage with Tennessee’s economic community.
* Enhanced public transparency through automated dashboards and seasonal insights viewed by 5,000+ users.

**Graduate Teaching Assistant** Murfreesboro, TN

***Information Systems & Analytics - Middle Tennessee State* University** *September 2023 – April 2024*

* Provided academic support in SQL, statistics, and business analytics courses.
* Delivered one-on-one tutoring sessions, improving average student performance by 20%.
* Assisted in grading, curriculum design, and project evaluation under senior faculty guidance.

**Data Analyst** Hyderabad, India

***Fosterate Private Limited*** *November 2021 – July 2023*

* Built automated dashboards in Tableau and Excel to monitor operations and improve internal reporting efficiency by 35%.
* Cleaned and analysed large-scale datasets to inform public service delivery across multiple sectors.
* Designed reporting pipelines using R and SQL; reduced manual reporting time from 2 days to 3 hours.
* Utilized AWS S3 for data storage and integrated Athena for querying large datasets.
* Worked with ERP systems to extract operational metrics and supported SaaS analytics for internal applications .
* Delivered insights that supported strategic planning for government and NGO partners.

# EDUCATION

**M.S., Information Systems (2023 – 2025)** Murfreesboro, TN

Middle Tennessee State University | GPA: 3.7

* **Courses:** Database Design & Development | Data Mining & Predictive Analytics |Big Data for Analytics | Business Intelligence | Applied Business Analytics | IT Project Management: Strategies for Success | Capstone
* *Achievements -* 1st prize for the poster presentation at Scholars week 2024 | *Volunteer –* Scholars Program

**B.Tech., Mechanical Engineering (2018 – 2022)** Hyderabad, India

Jawaharlal Nehru Technological University | GPA: 3.2

# PROJECTS

* **Employee Attrition Dashboard (Tableau):** Built a Tableau dashboard to identify attrition trends and HR KPIs; including filters, calculated fields, and drill-down analysis.
* **Bike Sharing Prediction (Python):** Developed classification models (Logistic Regression, Random Forest) to predict bike availability; evaluated performance and improved accuracy through parameter tuning.
* **SQL Insights (Oracle & SQL Server):** Created complex SQL queries for operational insights including time-based aggregations, ranking, and grouping sets.
* **Business Intelligence Dashboard (Tableau):** Customized a multi-sheet Tableau dashboard using interactivity principles for better usability and visual storytelling.

**CERTIFICATIONS**

* SQL for Data Analysis (SQL Server) – with SQL Server, Udemy, Feb 2023
* The Python Programming for Everyone Immersive Training, Udemy, Feb 2023