




Sandhya Maloth

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 <https://sandhyamaloth.com/>

SUMMARY

Detail Oriented Analyst with a strong foundation in business analytics and data integration, experienced in optimizing complex processes. Demonstrated success in enhancing system efficiencies and reducing errors through advanced analytics using Python, R, SQL, Tableau, and Power BI. Proven ability to streamline and integrate large structured and unstructured datasets to drive actionable insights and support predictive modeling.

EDUCATION

The University of Texas at Dallas

Master of Science, Business Analytics

Aug 2022 - May 2024

Dallas, Texas

- **Achievements:** Dean's Excellence Scholarship
- **Coursework:** Database Foundations for Business Analytics, Advanced Statistics for Data Science, Predictive Analytics for Data Science, Applied Econometrics and Time Series Analysis, Big Data, Prescriptive Analytics, Casual Analytics and AB Testing, Business Analytics with R

Jawaharlal Nehru Institute of Technology and Science, India

Bachelor of Technology, Computer Science Engineering

Aug 2017 - May 2021

Telangana, India

PROFESSIONAL EXPERIENCE

Amazon

Risk Analyst

Dec 2021 - Jul 2022

Hyderabad, India

- Investigated large datasets in the OTC (One Touch Claims) Department, generating actionable insights that improved performance by 25%.
- Utilized SQL and Python to configure and optimize case management systems, achieving near-error free operations.
- Developed solutions that eliminated single points of failure, enhancing system availability by 21%.
- Analyzed 13,000 cases to drive a 70% improvement in operational efficiency and a 10% enhancement in the seller-side process.
- Engineered a workflow automation system that reduced task completion time by 33%, from 12 minutes to 8 minutes, by leveraging data-driven insights.

Enrichepro Software

Data Analyst

May 2020 - Nov 2021

Pune, India

- As a Data Analyst Analyzed large datasets using SQL, Python, or R to uncover trends and insights
- Perform statistical analysis to support business decision-making
- Collected, cleaned, and analyzed large datasets to identify trends, patterns, and insights for business decision-making.
- Conducted data validation and quality checks to ensure accuracy and reliability of business reports
- Developed and maintained dashboards and reports using Power BI, Tableau, or Excel to present key performance metrics

ACADEMIC PROJECT EXPERIENCE

ANT Truck Data Analysis

- Analyzed a complex dataset of trucking information to determine and forecast driver risk factors.
- Utilized various variables including events and average speed to identify risky drivers.
- Developed data-driven suggestions for reducing incident frequency, including targeted driver training and stricter rules for high-risk drivers.
- Performed geographical analysis to identify cities with the highest occurrence of risky events.

TECHNICAL SKILL EXPERIENCE

- **Certifications:** Google Data Analytics, Learning PowerBI Desktop, Tableau Essential Training, AWS Certified Cloud Practitioner, Career Essentials in Data Analysis
- **Programming & Tools:** Python, AWS, Tableau, NumPy, Pandas, Extract, Transform, Load (ETL), Data Engineering, Data Science, SAS, R, SQL, Power BI, Apache Hadoop, Spark, Hive, Impala, Pig, Microsoft Excel
- **Analytics & Statistical Methods:** Advanced Statistics, A/B Testing, Regression, Time Series Forecasting, ETL Pipelines, Data Visualization, SAP Cloud Analytics, Analytical Skills
- **Soft Skills:** Ability to work independently or in a team, Ability to prioritize and manage multiple assignments, Excellent communication skills, detail-oriented, Interpersonal Skills