

# PRUDHVINATH REDDY KATHA

## BUSINESS ANALYST

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Dynamic Data Reporting Analyst with 3+ years of experience in data quality management, business intelligence, and advanced analytics. Proven track record in developing innovative reporting solutions, implementing robust data governance processes, and driving strategic business insights. Skilled in SQL, Python, Tableau, and cloud platforms, with a demonstrated ability to transform complex data into actionable intelligence. Adept at leading data-driven projects and collaborating cross-functionally to optimize processes and improve efficiency.

## EXPERIENCE

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### Data Analyst & Big Data Developer

*Cognizant Technology Solutions – Hyderabad, India | Aug 2021 – Dec 2022*

- Implemented comprehensive data quality governance processes, ensuring 95% data accuracy across multiple operational datasets.
- Developed advanced SQL-driven impact analysis frameworks, enabling data-driven decision-making for critical business initiatives.
- Engineered automated ETL pipelines with AWS services, reducing data processing times by 30% and improving operational efficiency.
- Created interactive Tableau and Power BI dashboards that translated complex data insights for cross-functional stakeholders.
- Led a small team of junior analysts to successfully complete a data quality audit project, ensuring compliance with organizational reporting requirements.
- Collaborated with technical and business teams to resolve complex data integrity challenges.

### Programmer Analyst - Trainee/Intern

*Cognizant Technology Solutions – Hyderabad, India | Aug 2020 – Jul 2021*

- Supported cloud analytics solution deployment using AWS services, demonstrating proficiency in cloud-based data management.
- Validated and optimized SQL query performance for operational reporting and forecasting.
- Participated in agile project management processes, contributing to sprint planning, tracking, and reporting.
- Developed SQL-driven data validation scripts and automated reporting processes to improve data quality and consistency.

### Data Analyst - Intern

*Indian Institute of Technology – Chennai, India | Jan 2019 – Jul 2020*

- Conducted trend analysis using Python and Pandas, enhancing event participation rates by 20%
- Developed and deployed Tableau dashboards for real-time project performance monitoring
- Cleaned, linked, and structured datasets for effective analysis and reporting.

## PROJECTS

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### Pipeline Management and Forecasting Optimization

- Developed predictive modelling solution improving sales forecasting accuracy by 20%
- Implemented machine learning algorithms to identify complex dataset correlations
- Created comprehensive Tableau dashboards for executive-level strategic planning

### ETL Implementation for Sales Analytics Using AWS

- Designed complete ETL pipeline using AWS services, reducing data processing times by 30%
- Automated data integrity validations ensuring reliable business insights

- Implemented cloud-based data management solutions.

### **Predictive Models for Air Quality Trends**

- Developed machine learning models using Scikit-learn, achieving 90% predictive accuracy
- Applied natural language processing techniques for unstructured environmental data analysis
- Designed interactive Power BI dashboards translating complex analytical findings.

## **SKILLS**

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- **Data Analytics:** Advanced SQL, Python, Machine Learning, Statistical Modelling
- **Visualization Tools:** Tableau, Power BI, Advanced Reporting Techniques
- **Cloud Platforms:** AWS (S3, Redshift, Lambda), Exploring Azure and Snowflake
- **Data Governance:** Compliance Reporting, Data Quality Management
- **Programming Languages:** SQL, Python, Java
- **Methodologies:** Agile/Scrum, SDLC, Data Governance Frameworks
- **Business Analysis:** Impact Analysis, Requirements Gathering, Hypothesis Testing
- **Tools:** MS Project, MS Excel, JIRA, Confluence, Teams
- **Operating Systems:** Windows, Linux.

## **EDUCATION**

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### **Masters in Computer Science**

*Kent State University, Kent, OH (Jan 2023 – Dec 2024)*

### **Bachelors in Computer Science**

*Sathyabama University, Chennai, India (Aug 2017 – May 2021)*

## **Certifications & Training**

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- AWS Certified Solutions Architect – Associate (*In Progress*)
- Google Project Management – Professional (*In Progress*)
- Data Analysis Using Tableau
- Machine Learning Basics
- Red Hat Linux System Administration

## **KEY STRENGTHS**

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- Advanced data analysis and visualization
- Robust problem-solving capabilities
- Excellent cross-functional communication
- Continuous learning and technological adaptation
- Strong data governance and quality management.