

# Nitya Rondla

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## EDUCATION

### Master of Science, Data Analytics, Data Engineering Specialization

May 2026

San Jose State University, San Jose, United States

Graduate Coursework: Data Analytics, DBMS, Data Visualization, Business Intelligence, Generative Model, Data Warehouse.

### Bachelor of Computer Science

Aug 2022

Marri Laxman Reddy Institute of Technology, Hyderabad, India

Relevant courses: Mathematics, Object Oriented Programming, Operating System, Data Mining, Cloud, Data Structures, Artificial Intelligence, Machine Learning, Data Engineering.

## SKILLS

**Programming Languages** : Python (Pandas, NumPy, Scikit-learn, Matplotlib, TensorFlow, OpenCV), Java, C, JavaScript

**Web Development**: HTML, CSS, JavaScript, MERN stack, Full-Stack Development

**Data Analysis & Visualization** : Predictive Analytics, Data Preprocessing, Data Visualization (Matplotlib, Seaborn, Tableau, Power BI)

**Technologies** : Tableau, Power BI, Firebase, Docker, Postman, AWS, MATLAB

**Data Engineering** : Data Pipeline Development, ETL Processes, Data Cleaning and Transformation

## PROFESSIONAL EXPERIENCE

### Data Analyst, Zensar Technologies, Hyderabad, India

Nov 2022 - Jul 2024

- Analyzed cross-platform data and developed dynamic Power BI dashboards for FIS stakeholders, elevated reporting speed by 30% and enabling faster strategic decisions across 3 business units.
- Collaborated on data-driven initiatives to implement demand management processes, reducing backlog by 25% and optimizing on-time delivery rate across 2 departments.
- Performed ETL and data cleaning, boosting reporting accuracy by 20% and decreasing processing time.
- Configured FIS-compliant data security for 3 systems, cutting down risk exposure by 25%.

### Data Analyst Intern, Brilliant Technologies, Hyderabad, India

Aug 2022 - Oct 2022

- Built Power BI dashboards for healthcare KPIs, increasing visibility across 3 departments and facilitating faster decisions.
- Conducted sentiment analysis on CAHPS survey data from 1,000+ patients to identify top 5 drivers of satisfaction across 3 departments.
- Leveraged Python and SQL for data cleaning, analysis, and visualization of large datasets.
- Built visual reports on care metrics, helping 3 clinical teams identify gaps and streamline healthcare delivery.

## PROJECT EXPERIENCE

### Data Insights Dashboard: Netflix, [PowerBI, Google Collab, SQL]

- Cleaned and transformed 500,000+ raw data entries using Pandas and NumPy, improving workflow efficiency and reducing processing time by 20%.
- Optimized complex SQL queries, improving data retrieval by 15% and accelerating business decisions.
- Deployed a Tableau dashboard integrating multiple data sources, boosting insights by 30%.

### Telco Customer Churn Prediction, [Python, TensorFlow, SQL, Pandas, Matplotlib]

- Built machine learning models to predict churn with 15% higher accuracy.
- Improved feature engineering, boosting model accuracy by 12% and reducing false positives by 8%.
- Advanced model interpretability by 30%, enhancing transparency for stakeholders.

### Cloud-Based ETL for Music App, [MongoDB, Amazon S3, Redshift, Apache Airflow]

- Engineered a scalable ETL pipeline processing 10M+ daily records, cutting data latency by 40%.
- Designed data warehouse schema and reduced query execution time by 50% for real-time user activity tracking.
- Automated workflows using Airflow and validated pipeline performance with Redshift, improving data retrieval by 30%.

## LEADERSHIP & RECOGNITION

- **Led a college-level MERN Stack Club**, mentoring peers in full-stack development and organizing hands-on coding workshops.
- **Recognized as 'Rising Star Analyst – 2023'** at Zensar for leading Power BI dashboard development, slashing reporting time by 30%, and enabling faster business decisions.