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]

- Crafted Power BI dashboards for healthcare benchmarking, facilitating data-driven decision-making and enhancing transparency across 3 departments.
- Optimized complex SQL queries to extract critical business metrics, revising data retrieval efficiency by 15% and triggering faster decision-making.
- Designed and deployed an interactive Tableau dashboard, integrating multiple data sources to enhance insights extraction efficiency by 30% and streamline reporting for stakeholders.

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

- Applied advanced machine learning algorithms to predict churn, improving accuracy by 15%.
- Leveraged feature engineering techniques to refine key predictors, elevating model accuracy by 12% and minimizing down false positives by 8%.
- Implemented model interpretability methods, advancing transparency by 30% and fostering trust among stakeholders by simplifying black-box concerns.

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

- Designed and implemented a scalable ETL pipeline for music streaming industry, processing 10M+ records daily and minimizing data latency by 40% using cloud technologies.
- Developed a star schema for data warehousing, cutting down query execution time by 50% and enabling real-time analysis of 1K+ user activity logs and song metadata.
- Constructed advanced data transformation processes, including data cleansing, deduplication, and enrichment, improving data quality by 35% and accelerating analytics readiness by simplifying processing time by 40%.
- Automated ETL workflows using Apache Airflow, ensuring seamless data integration and real-time insights.
- Validated pipeline performance by executing analytical queries on Redshift, reducing data retrieval time by 30%.