

# ROHAN REDDY BANDI

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## Education

University of South Florida - Tampa, Florida

Aug 2022-May 2024

Master of Science in Business Analytics and Information Systems.

GPA: 3.94

**Coursework:** Analytical Methods for Business (R), Advance Database Management System, Advance System Analysis and Design (Agile, Waterfall), Distributed and Enterprise Information Systems, Big Data for Business, Data Visualization, Data Mining.

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## Skills

- **Programming:** R, PYTHON, SQL, NoSQL, C, C++, JAVA, JAVASCRIPT, Scala, bash, Unix.
  - **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure
  - **Data Modelling & ETL:** Spark, Flink, Nifi, Kafka, Informatica, Talend, Data Bricks.
  - **Database and Data Warehousing:** Hadoop (Cassandra, Hive, HBase), Amazon Redshift, Google Big Query, Microsoft SQL Server, MySQL, PostgreSQL, Oracle, Snowflake, Teradata.
  - **Data Visualization:** Tableau, Power BI
  - **Job Scheduling and Orchestration:** Apache Airflow, Kubernetes, Luigi.
  - **Data Streaming:** Kafka, Apache Pulsar, AWS Kinesis, Google Cloud Pub/Sub, Azure Event Hubs, Flink.
  - **Machine Learning & Data Analysis:** Scikit-Learn, Pandas, NumPy, TensorFlow, Predictive Modeling, Statistical Analysis.
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## Work Experience

Truist, USA – Data Engineer

Mar 2023- Aug 2024

- Maintained global data pipelines and ETL processes in **AWS Glue, Azure Synapse, S3, and Redshift**, ensuring efficient data flow, governance, and management across **data lakes** and **warehouses**.
- Built and optimized distributed systems with **Kafka, Hadoop, MapReduce, Hive, AWS, and Snowflake** to handle large-scale data, collect metrics.
- Led ETL migrations from **Talend** to **Informatica**, automated data ingestion with **Python** and **Scala**, and developed complex **SQL/PLSQL** queries for seamless transformations and platform migrations.
- Designed **Star** and **Snowflake** schemas for **Redshift**, implemented data quality checks with Great Expectations, and utilized **AWS Glue Data Catalog** for **metadata** management and **data integrity**.
- Leveraged **AWS Lambda** and **Kinesis Analytics** for serverless real-time data processing, collaborated on **Tableau** dashboards.

Accenture, India – Data Engineer

May 2019-July 2022

- Supported analysis and management teams throughout the project lifecycle, from design to production deployment, utilizing **SSIS** for **ETL** and **data validation**.
  - Managed **Hadoop clusters** with **Cloudera Manager**, addressed data quality issues, and created narratives to highlight biases due to incomplete data.
  - Developed and optimized **ETL pipelines** using **Python, PySpark, and Azure Data Factory**, integrating data from **MongoDB, Blob Storage**, and on-premise systems into **Azure Data Lake** for processing in **Azure Synapse Analytics**.
  - Implemented **Azure Purview** for data governance, **Azure Key Vault** for secure credential storage, and **Azure IAM** for access control, enhancing security and compliance.
  - Created visualizations and reports with **Power BI, Tableau, and Excel**, presented insights to stakeholders, and optimized **SQL queries** and **Azure Kubernetes Services (AKS)** for scalable big data processing.
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## Projects

- **Real time Stock Market Analysis:** Designed and implemented a real-time data processing pipeline using Python, Apache Kafka, and AWS services. Developed a Python-based stock market simulation app to generate data from CSV files, which was sent to Kafka on Amazon EC2 using Boto3. The data was then consumed into Amazon S3, catalogued by AWS Glue, and queried with Amazon Athena for analysis. ([Link](#))
  - **Made Easy Pharmacy Store Website:** We developed and implemented a user-friendly and visually appealing e-commerce website for a pharmacy store, providing seamless online shopping experience for customers. We used technologies to develop the website HTML, CSS, JavaScript, Flask. ([Link](#))
  - **Airbnb project:** With SQL Developer, created a database like Airbnb's business workflow using the data-dimensional modelling approach. It helps capture business data and can handle operations smoothly. From the data, we can infer targeted customers and the footfall of the customers. ([Link](#))
  - **Data visualization Project:** Accomplished data analyst with expertise in leveraging IMDb data to analyze and visualize trends in Netflix's vast content library. Proficient in using datasets to uncover insights on content popularity, directorial influence, and cross-platform performance. Strong skills in data visualization, trend analysis. ([Link](#))
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## Certification

- Business Analysis & Process Management - ([Link](#))
- Working with Big Query - ([Link](#))

## Involvements

- Led a team of 4, successfully secured **State Funding** (\$300), patent application and participated in university competitions (SIH, Tie-Grad, Boot Camp's) and **State-Level** recognition (top 60 Telangana Innovation Yatra 2020).