

# 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

Aramark, USA – Data Engineer

Mar 2023-Apr 2024

- Led a team implementing **data transformations**, increasing reporting efficiency by 40% using **Hadoop, MapReduce, Hive, and Spark**.
- Architected scalable **big data** systems, reducing system downtime and boosting data processing speed by 25% through **Kafka, Flume, and Presto**.
- Instituted best practices, enhancing team productivity by 20% and fostering collaboration across technical and non-technical teams.
- Engineered **ETL processes**, cutting data processing time by 50% and improving system performance with **Flink, Click House, and Meta store**.
- Designed schema models and optimized **SQL queries**, improving query execution time by 40% and data retrieval speed by 20% in multi-terabyte environments.
- Implemented **data privacy** measures, reducing security incidents by 60% and ensuring compliance in data systems.

Accenture, India – Data Engineer

May 2019-Aug 2022

- Conducted impactful **data analysis** using **Hive, Flume, and Kafka**, driving a 15% revenue increase and informing strategic decisions.
  - Streamlined cross-source **data integration**, reducing integration time by 30% through collaborative efforts.
  - Mentored team members, increasing their efficiency by 25% and successfully implementing innovative integration solutions.
  - Contributed to **Hadoop-based** system development, enhancing stability by 20% and data processing efficiency.
  - Provided actionable insights to clients, resulting in a 10% improvement in operational efficiency and decision-making.
  - Improved **data pipelines** using **Spark** and **Flink**, enhancing system performance by 20% and reducing processing errors by 15%.
  - Developed and executed innovative strategies for real-time data streaming using **Kafka** and **Click House**, improving data accessibility by 30% and enabling swift decision-making processes.
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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).