Bharath Chandra Reddy Basireddy

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EDUCATION

California State University, San Bernardino	San Bernardino, CA
Master of Science, Computer Science	*May 2024*
Jawaharlal Nehru Technological University, Hyderabad	Hyderabad, India
Bachelor of Technology, Electronics and Communication Engineering	*Jul 2019*

EXPERIENCE

Senior Software Engineer — Apr 2021 – Jun 2022
Capgemini — *Hyderabad, India*

- Set up data pipelines and ETL processes, integrating data from various sources into the Snowflake platform, resulting in a 25% reduction in integration time and improved accuracy for reporting and analysis purposes.
- Implemented role-based access controls and data encryption measures, ensuring the security and protection of sensitive data within the Snowflake platform, resulting in compliance with regulations and zero data breaches
- Optimized SQL queries and adjusted resource allocation, improving query performance by 30% and reducing overall processing time by 20%, leading to faster data analysis and improved decision-making for the organization.

Software Engineer — Mar 2020 – Mar 2021
Capgemini — *Hyderabad, India*

- Used SQL, Python, and PySpark to analyze and remediate data quality issues for a leading banking service client, resulting in a 15% reduction in data errors across key investment datasets.
- Reduced decision-making time by over 30% through visualization using and Tableau dashboards for stakeholders.
- Utilized graph databases for advanced data modeling, uncovering relationships within datasets that led to a 20% increase in business insights accuracty, aiding in more informed decision-making processes.

Data and Analytics Consulting Intern — Jul 2019 – Feb 2020
Pressmart Media Ltd — *Hyderabad, India*

- Performed data analysis using SQL and data analysis tools, generating reports and building dashboards to provide insights and recommendations to key stakeholders, resulting in a 15% increase in revenue and a 10% improvement in customer satisfaction.
- Engineered and published impactful Power BI dashboards, resulting in highly visualized insights and increased website traffic, with one dashboard becoming one of the most visited pages on the company's official website.

PROJECTS

Spotify Data Pipeline using Snowflake, AWS, Python | *Snowflake, AWS, Python* — Aug 2023 – Jan 2024

- Orchestrated an ETL pipeline using Python and AWS tools, including Lambda, S3, and Snowflake, to extract, transform, and load Spotify's top 100 Global trending songs..
- Developed two AWS Lambda functions for data extraction and transformation, using the Spotify API to fetch song, album, and artist data, and store raw and transformed data in S3 buckets.
- Built structured tables for album, artist, and song data in Snowflake, using Snowpipe for continuous data loading from S3, facilitating advanced SQL queries.
- Enabled data analysis using Snowflake's SQL capabilities, transforming the data into structured format and updating it regularly for comprehensive insights.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C/C++, Java
Analysis Tools: Tableau, PowerBI, Advance MS-Excel, ETL, Hadoop, Spark, Hive, PySpark, Amazon Athena
Databases: Snowflake, MS-SQL Server (T-SQL), MySQL, Oracle (PL/SQL), NoSQL, Amazon Redshift
Developer Tools: Docker, VS Code, Git, Visual Studio, IntelliJ, Eclipse, AWS (EC2, S3, EMR, RDS, Athena, Glue)
Data Streaming & Workflow Orchestration: Apache Kafka, Apache Airflow, dbt
Other Skills: Google Suite, MS-Office Suite, MS-Power Point, JIRA