# Sujan Naidu Bhaskar Surisetty

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# EDUCATION

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| **The University of Texas at Dallas**  *Master of Science, Information Technology and Management* Dean’s Excellence Scholarship | May 2025 |
| **Gitam University,** India  *Bachelor of Technology, Mechanical Engineering* | July 2022 |

**Wipro Pvt Ltd, Telangana**, India June 2022 – June 2023

## Data Engineer-1

* Assisted in developing and managing data ingestion processes, handling a daily influx of 1 million events from various sources, including weblogs, user activities, sales transactions, and product catalog data.
* Contributed to the design of a scalable and distributed storage solution on Amazon S3 to accommodate the growing data volume throughout the project's lifecycle.
* Played a key role in implementing data processing and transformation pipelines with ETL processing techniques to improve data quality and consistency, resulting in the cleansing and enrichment of 95% of incoming data.
* Collaborated with agile teams on data validation and migration projects, gaining experience with Hadoop and Snowflake in a Python environment, which led to a 15% enhancement in output delivery efficiency.
* Engaged in proactive issue tracking, assisting in resolving 90% of issues before they affect project timelines.

# Academic Projects

*Blockchain Data Ingestion and Analysis Using Hadoop Ecosystem*

* Created a data intake pipeline utilizing Apache Flume to gather real-time blockchain data, processing over 1 million blockchain transactions per day with high throughput and low latency.
* Implemented Hadoop HDFS for large-scale blockchain data storage, increasing storage efficiency by 40% and managing over 10 terabytes of data with no downtime.
* Executed complicated data transformations for blockchain data analysis using Apache Pig, decreasing data processing time by 30% and improving real-time insights and decision-making by 25%.

*Development of Job Boards and Recruitment Platforms*

* Oversaw the development of a Python and PostgreSQL-based recruitment platform that witnessed a 40% increase in user involvement in the first quarter, showcasing a strong background in software development and project management.
* PostgreSQL SQL queries were optimized, demonstrating proficiency in database management and optimization. Performance tuning and indexing techniques improved user experience and data retrieval speeds by 30% percent.
* Using Python's machine learning libraries (Scikit-learn) to assess candidate profiles and job descriptions, an automated matching mechanism was put into place, resulting in a 25% increase in job-candidate matches.

*Financial Trend Analysis Bot*

* Developed a Financial Market Trends Bot that analyzes more than 5,000 financial news items and social media postings every month to pinpoint important market trends. It was able to anticipate stock price movements with a 75% prediction accuracy.
* Sentiment analysis was implemented with the help of Python's NLTK library, and it was successful in identifying market sentiment with an accuracy rate of 80%, helping to comprehend investor opinion toward individual stocks.
* Created a user-friendly dashboard that displayed forecasts and analyzed data; this led to a 30% rise in test user involvement, including academics and students, indicating the bot's possible utility in real-world financial analysis.

# Additional Information

*Skills*: Python, Advanced SQL, Advanced excel, Hadoop, Kafka, Postgres, Dotnet, AWS, Tableau.

*Certifications:* Python using data structures from Coursera, Advanced SQL from LinkedIn.