

# YERRA AVINASH

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## EDUCATION

**National Institute of Technology, Raipur**

2020 - 2024

*B.Tech - Computer Science and Engineering*

CPI - 8.98

**Grade/Awards :** First Class with Distinction

## SKILLS

**Programming Languages:** C++, Python, SQL, Javascript  
**Big Data Technologies:** Hadoop, Snowpark (Spark), Airflow  
**Databases:** MySQL, PostgreSQL  
**Tools:** Git, Snowflake, Excel  
**Other Skills:** Data Analysis, Data Modeling, Orchestration, Version Control

## WORK EXPERIENCE

**ZS Associates**

Pune, India

*Business Technology Solutions Associate*

Jul 2024 - Present

- **Technologies:** Python, SQL, Airflow, Git, Snowpark, Excel
- Performed data analysis in Snowflake during requirement gathering, ensuring alignment with business objectives.
- Centralized pharmaceutical data from flat files and databases, achieving 100% accuracy through validation checks.
- Designed and implemented workflows for data ingestion, transformation, and validation across 100+ datasets.
- Automated ETL pipelines using Airflow cron jobs, ensuring 99% uptime and reducing manual intervention by 90%.
- Improved data processing speed by 30% through Snowflake query optimizations and Snowpark transformations.
- Developed Snowpark-based stored procedures for seamless data migration and optimized data flow.
- Enabled real-time failure tracking of DAGs by implementing a logging system, enhancing monitoring and debugging.

*Business Technology Solutions Associate Intern*

Jan 2024 - Jun 2024

- **Technologies:** Python, SQL, Airflow, Git, Snowflake, Excel
- Orchestrated the extraction of 10M+ records monthly using Python APIs, Airflow, enhancing data pipeline efficiency.
- Reduced manual data processing by 80% by implementing fully automated end-to-end data pipelines.
- Designed a scalable Snowflake schema with fact and dimension tables to meet client reporting requirements.
- Improved query performance by 40% by restructuring SQL queries for better optimization.
- Implemented monthly automated data refreshes in Apache Airflow, ensuring up-to-date insights.

## PROJECT EXPERIENCE

**Real Time Data Streaming** 

- Built a real-time data pipeline on EC2 using **Jupyter Notebook** and **Kafka** to stream stock data to **AWS S3**.
- Used **AWS Glue** crawler to infer schema and enable querying with **AWS Athena** for further insights.
- Streamlined real-time data analysis by integrating **AWS** services into the pipeline.
- Enabled scalable analytics by combining cloud services with real-time data processing.

**Discord Bot** 

- Developed a Discord bot using **Node.js** and **discord.js**, leveraging JavaScript for core functionalities.
- Integrated the **OpenAI API** to generate dynamic responses, increasing user engagement by 40%.
- Hosted the bot on **Replit** with **Uptime Robot**, ensuring 99.9% uptime.
- Enhanced interactivity and intelligence with AI-driven response generation.

## ACHIEVEMENTS

- Achieved 10+ badges for consistency on Leetcode
- GeekScore of 1000+ on GFG
- Secured a rank of 1078 in AP-EAMCET out of 1,50,000+ participants
- Top 1.4 percentage in JEE MAINS 2020 out of 10,00,000+ participants

LeetCode  
GeeksforGeeks

## AREA OF INTEREST

- Data Structures and Algorithms
- Competitive Coding
- Problem Solving