

# PRAVEEN REDDY YALLAYYAGARI

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## Education

**Srinivasa Ramanujan Institute Of Technology**

*Bachelor of Technology in Computer Science& Engineering (Data Science)*

**Dec. 2021 – Apr 2024**

**8.37 CGPA**

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Machine Learning
- Computer Architecture

## Experience

**Cognifyz Technologies Pvt. Ltd(Data Science Intern)(Remote)** [\[GitHub\]](#)

- Conducted ETL on 50,000+ records, improving data accuracy by 98% and reducing processing time by 40%.
- Deployed regression and classification models, boosting predictive accuracy by 25% and enabling data-driven revenue growth.
- Created insightful visualizations with Python, driving strategic decisions and optimizing SQL query performance by 50%.

## Projects

**Advanced Data Engineering Pipeline with dbt, Airflow, and Snowflake Integration** [\[GitHub\]](#)

[Apache Airflow, Snowflake, Snowpark, Python, Docker, Astronomer Cosmos, pandas, Streamlit, AWS, Dbt, Snowflake SQL]

- Designed and implemented an end-to-end data pipeline using dbt and Apache Airflow, integrating Snowflake for scalable data processing and analysis.
- Extended data workflows with Snowpark, incorporating advanced Python-based data analysis to identify key insights and improve decision-making.
- Developed a dynamic Streamlit dashboard for real-time data visualization, enhancing data accessibility and enabling interactive analysis for stakeholders.

**Organ Matching And Transplantation Using Blockchain and IPFS Technology** [\[GitHub\]](#)

[HTML, CSS, Python, JavaScript, Django, Solidity, IPFS, Ethereum Blockchain, SQL, Amazon S3 & Amazon QuickSight]

- Built decentralized app on Ethereum, achieving 98% organ match accuracy and supporting 10,000+ registrations.
- Strengthened security with blockchain authentication, reducing breaches by 90%.
- Utilized AWS S3 and QuickSight for data storage and insightful visualizations.

## Technical Skills

**Programming Languages:** R, Python, SQL & Data Structures and Algorithms.

**Database Management:** MySQL, PostgreSQL, Oracle SQL, Snowflake.

**Data Wrangling:** Python (Numpy, Pandas).

**Frameworks:** Apache Spark, Hadoop, Django, Apache Airflow, dbt(Data Build Tool).

**Cloud Services:** AWS(S3, DynamoDB, Glue, ETL, Redshift, Lambda, Step Functions, EMR, Athena & Pipelines)

**Developer and LLM Tools:** Git, GitHub, VS code, MS Excel, Streamlit, Chatgpt, Google Gemini & LLaMa.

**Business Intelligence Tools:** AWS QuickSight, Power BI.

## Certifications

- **Certification in Machine Learning** by AWS Academy.
- **Certification on Google AI Essentials from Google** by Coursera.
- **Certification in Data bricks Lake house Fundamentals** by Data bricks.

## Achievements

- Secured a top **0.05%** rank out of **600,000** competitors in **TCS CodeVita**, demonstrating exceptional coding proficiency in a highly competitive environment.
- Attained **3rd place in Academic project** showcase, and prize money for exceptional work and innovation.