SAI VENKATA ADITHYA CHALLA

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SUMMARY

Data-driven problem solver with expertise in data analysis, machine learning, and data visualization, seeking a summer internship for 2025. Eager to apply my skills to real-world projects, driving innovation and enhancing business performance in fast-paced environments.

EXPERIENCE

MAQ Software

Software Engineer   **August 2023-June 2024**

- Gained hands-on experience with the Azure Tech Stack, including Azure SQL, Databricks, Data Lake, and Microsoft Power BI, managing   data across these platforms.
- Developed a Microsoft Power BI report to track customer-related issues, reducing resolution time significantly, from 1-2 weeks to 2-3 days, by identifying and categorizing over 500+ issues and implementing a solution through Power Automate integration.
- Optimized data pipelines and ETL processes, improving data processing speed and set up staging tables that enhanced data integration and transformation within the Azure ecosystem.
- Worked on creating custom visuals in Power BI, increasing dashboard engagement by 30% and providing tailored insights for business decision-making.

The Sparks Foundation   **July 2021-August 2021**

Data Science Intern

- Conducted KPI-driven exploratory data analysis and visualization using Python, analyzing various to uncover key performance trends.
- Managed data cleaning with Power Query, handling datasets with 50,000+ records, and created various pivot tables in Excel to summarize and extract actionable insights.

EDUCATION

University of Southern California

Master's Computer Science (Data Science)   **August 2024-May 2026**

CGPA - In Progress

GITAM University

  B. Tech Computer Science   **June 2019-April 2023**

CGPA - 9.15/10

TECHNICAL SKILLS

- **Programming Languages:** C, Java, Python, R,HTML, CSS, JavaScript, React.js
- **Databases:** MySQL, Azure SQL
- **Data Analysis & Visualization:** pandas, Matplotlib, Seaborn, Power BI, Excel, Power Automate
- **Machine Learning**: scikit-learn, TensorFlow, keras

PROJECTS

Men's T20 World Cup Data Analysis Project

- Performed data cleaning and transformation on the Men's T20 World Cup dataset using Excel's Power Query Editor, ensuring data accuracy and quality.
  Designed visualizations to represent data insights, enhancing the clarity and impact of the final report.
- Worked on visualization and exploratory data analysis (EDA) using Python, employing libraries like Matplotlib and Seaborn to uncover patterns and trends in the Men's T20 World Cup dataset.

Hybrid Intrusion Detection System

- Applied a correlation-based feature selection algorithm and various machine learning techniques to enhance accuracy in identifying potential attack classes within the dataset.
- Concurrently trained and evaluated the performance of Convolutional Neural Network (CNN) and Recurrent Neural Network (RNN) models, and compared them with existing machine learning classifiers to achieve better performance.

ADDITIONAL EXPERIENCE

- **Microsoft Learn Student Ambassador**: Selected as a Microsoft Learn Student Ambassador, where I actively contributed to the tech community by organizing events, conducting webinars, and mentoring peers on Microsoft technologies.
- **Chief Financial Officer at Innovation Center, GITAM:** Served as the Chief Financial Officer from June 2019 to June 2022, where I managed the center's finances, promoted technical events as a Public Relations Officer.
- **Technical Writer at Educative.io**: Created clear and concise technical content, simplifying complex topics to enhance understanding for a broad audience.

CERTIFICATIONS

- Microsoft Azure AI Fundamentals Certification
- Microsoft Fabric Analytics Certification