Venkateswara Rao Jannegorla

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Professional Summary

Graduate student in **MS in AI and Business Analytics** at the University of South Florida with strong communication skills and 2+ years of hands-on experience in **Tableau, SQL, Python, and Business Intelligence tools**. Proven ability to design and grade data visualization assignments, deliver engaging presentations, and coach students through problem-solving. Skilled in building **interactive dashboards**, applying BI best practices, and supporting data-driven decision-making in academic and industry settings.

TECHNICAL SKILLS

Data Visualization & BI: Tableau Desktop, Power BI, Excel, Matplotlib, Seaborn

Languages & Tools: Python, SQL, R, TensorFlow, PyTorch, Scikit-learn

Databases: MySQL, MongoDB

ETL & Analytics: Pandas, NumPy, Data Cleaning, Predictive Analytics

Other: Business Intelligence methodologies, Statistical Modeling, Dashboard Development

Professional Experience:

Founder & Instructor | Vzsnippet– Online   *Jan 2023-present*

- Designed and delivered **SQL and Python,Tablue courses** to 100+ students, focusing on dashboard development, SQL integration, and BI best practices
- Created assignments, quizzes, and project evaluations to assess student understanding and provide constructive feedback.
- Held **live sessions** to coach students through problem-solving in **SQL** and **Python**.
- Delivered presentations on data analytics, visualization strategies, and practical applications in business intelligence.

Data Analyst | App Genesis–Vijayawada–IND,   *Aug 2022 – Aug 2023*

- Built and maintained **interactive dashboards** in Tableau and Power BI to track NLP model results.
- Designed and optimized SQL queries, cutting execution time by 30%.
- Mentored junior developers and conducted internal training sessions on BI best practices.
- Improved user engagement by 22% by integrating AI-driven insights into business dashboards.

Data Analytics Intern | APSSDC- AP,IND   *Mar-Aug 2022*

- Developed machine learning models and created an **Excel-based dashboard** for real-time prediction results.
- Designed Tableau visualizations to present model outcomes for forest fire and wildlife survival projects
- Built a **React-based dashboard** to monitor predictions and visualize model performance in real time.

PROJECT Experience

YouTube Comments Sentiment Analysis | Python, Tableau, Flask   Feb-2025

- Built Tableau dashboards to visualize sentiment patterns across 1M+ comments..
- Presented project outcomes to peers and faculty, showcasing BI visualization best practices.

Web-Based Disease Prediction Platform | Flask, FastAPI, TensorFlow   June-2024

- Created an **interactive Tableau dashboard** to visualize disease prediction metrics and AI-driven health recommendations.
- Designed SQL-based back-end data pipelines for seamless dashboard updates.

Forest Fire Prediction & Wildlife Survival |Flask, XGBoost, Geospatial Analysis, AWS   *Mar-Aug 2022*

- Developed geospatial Tableau dashboards to map fire risk and wildlife survival probabilities.
- Conducted presentations on BI methodologies and project results.

EDUCATION

University of South Florida – Master's in Artificial intelligence and Bussiness Analytics   (Expected Dec`26)

Lakireddy Balireddy College of Engineering: Bachelor's in Artificial intelligence and Data Science

PUBLICATIONS

Phishing Detection: A Predictive Model For Cyber Security   *IEEE | 2023*
Secure Document Storage System Using Web 3   *Scopus | 2024*
Automated Certificate Generation and Distribution Using Flask   *IJIRT | 2024*