Ganesh Polimera
Data Analyst

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Summary

- Data Analyst with experience in building datasets, dashboards, and solving complex data challenges.
- Skilled in Python, SQL, Tableau, and cloud tools like Snowflake & BigQuery.
- Adept at cross-functional collaboration to support business analytics in dynamic environments.

Skills

Languages/Tools: Python, SQL, Power BI, Tableau, Excel
Data Handling: Dataset creation, data cleaning, dashboards, data modeling
Soft Skills: Stakeholder communication, problem-solving, documentation
Familiarity With: Education metrics, enrollment data, compliance reporting

Experience

OpentText | *GIS Developer*   **Dec 2022 - Jun 2023**

- Built and improved internal web tools using **JavaScript** and **SQL**, contributing to GIS analytics and dashboards.
- Developed filtering and time zone alignment logic for critical test data (DRP-related), improving data consistency.
- Participated in product enhancement sprints and collaborated with cross-functional teams.

DPD Housing India Pvt. Ltd.– *Admin & Web Developer*   **August 2020 – Nov 2022**

- Administered LAN/WAN configurations and provided real-time IT support for 50+ internal users.
- Troubleshoot network connectivity and hardware/software issues using internal ticketing systems.
- Managed system updates, antivirus, backups, and firewall settings to ensure network stability.

Projects

SENTIMENT ANALYSIS ON COVID RELATED TWEETS

- Built an NLP-based sentiment classifier that outperformed baseline models by 10%, achieving 77% test accuracy.
- Analyzed 10K+ real-time tweets to extract public sentiment trends during the pandemic.
- Improved preprocessing efficiency by 20% using tokenization and lemmatization techniques.

Brain Tumor Segmentation using Attention Gate Res-U-Net

- Built a deep learning model for automated brain tumor detection, achieving a Dice coefficient of 0.7446.
- Implemented attention gates to boost segmentation accuracy by 15% and reduce false positives by 10%.
- Trained and evaluated the model on 600 MRI images using TensorFlow/Keras, delivering near state-of-the-art performance.

Heart Attack Risk Visualization

- Created an interactive dashboard visualizing heart attack risk factors and case distributions across various age groups, utilizing data from over 50,000 cases collected between 2020-2025.
- Conducted comprehensive data analysis using datasets from NHANES, MIMIC-IV, CDC Heart Disease and Stroke Statistics, and the American Heart Association, ensuring a robust and diverse data foundation.

Customer Churn Prediction (Capstone Project)

Developed a customer churn prediction model using Python and machine learning, showcasing ability to derive insights from complex datasets for business optimization.

Education

Oklahoma Christian University Master of Science in Computer Science and Engineering (GPA: 3.3)
Coursework: Image Processing, Software Systems Engineering, Data Analytics & Visualization, Leadership
VelTech University bachelor's in computer science and engineering (GPA: 3.8)
Coursework: Networking, SQL & Data Management, Data Cleaning

Courses and Certifications

CCNAv7 - Introduction to Networks: Gained practical experience in network configuration, including IPv4/IPv6 addressing.
Salesforce Developer Catalyst Plus: CRM and cloud platform experience
AWS Academy Cloud Foundations: Basics of cloud networking and AWS services.