

Krishna Sai Tadiboina

Troy, MI (Open to Relocate)

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Summary

A driven Data Analyst with experience enhancing data-driven decision-making through the development of advanced analytics frameworks and efficient SQL reporting. Proven track record in delivering business insights by collaborating with teams and optimizing data quality and accuracy. Well-versed in engaging with business stakeholders to align data initiatives with strategic goals. Eager to contribute to Christian Healthcare Ministries by leveraging strong analytical and communication skills.

SKILLS

- **Programming Languages:** Python, C++, C#, SQL (MySQL Server, PostgreSQL), Hive SQL, Java, R, Scala
- **Cloud & Tools:** Azure (ADF, Databricks), AWS (S3, EC2, Lambda), Docker, Kubernetes, Hadoop, Hive, Snowflake, MLflow
- **Data Analysis & Visualization:** Tableau, Power BI, MS Excel, Google Data Studio, Jira, SQL Server Management Studio, GIT, Data Modeling, Data Validation, Reporting Tools Development, Python (NumPy, Pandas, Plotly)
- **Python Libraries & ML Frameworks:** NumPy, Pandas, PySpark, Scikit-learn, TensorFlow, Plotly
- **Data Engineering & Analytics:** ETL, KPIs Development, Data Mining, Predictive Analytics, Spark, Data Governance, GDPR Compliance, Cloud Transition Assistance
- **Professional Skills:** Data Analysis Methodologies, Large Datasets, Communication Skills, Project Management, Attention to Detail

WORK EXPERIENCE

Outlier AI

Jan 2024 - Present

Data Analyst

- Identified patterns and trends in complex datasets, delivering actionable insights to drive business decisions.
- Championed the integration of data-driven methodologies, facilitating cross-functional collaboration to meet reporting needs.
- Led the development of an advanced analytics framework for training Large Language Models (LLMs), enhancing AI-driven decision-making processes.
- Developed and implemented data quality checks to ensure accuracy and consistency across datasets.

MAQ SOFTWARE

Dec 2021 - Jul 2022

Data Analyst

- Delivered executive-level dashboards in Power BI, translating raw data into actionable business strategies.
- Spearheaded the automation of ETL pipelines using Azure Databricks, significantly improving data processing capabilities.
- Developed predictive models to forecast customer behavior, leading to enhanced retention strategies.
- Collaborated with stakeholders to reimagine reporting frameworks, incorporating SQL-driven solutions and reducing manual reporting time.

Eunimart

Jun 2021 - Nov 2021

Junior Data Analyst

- Enhanced query performance by optimizing PostgreSQL operations, cutting data retrieval time by 30% and improving report accuracy.
- Built real-time Tableau dashboards to monitor key performance indicators, empowering leadership with on-demand insights.
- Conducted exploratory data analysis (EDA) to uncover hidden trends, contributing to a 12% improvement in strategic decision-making.
- Contributed to developing chatbot testing frameworks, achieving a 20% boost in customer engagement metrics

EDUCATION

Central Michigan University

Aug 2022 - Dec 2023

Master's, Computer Science

PROJECTS

Sentiment Analysis on Amazon Reviews

- Designed and developed from scratch an end-to-end NLP Sentiment Analysis System for Amazon Alexa Reviews in Python, achieving a high 94% accuracy on the test set
- Improved text preprocessing and vectorization techniques, yielding a performance increase of about 25%.
- The XGBoost Classifier boosted accuracy to 97% in training, further enhancing model efficiency and predictability.
- Deployed the NLP model as a Flask web application, providing live sentiment prediction via RESTful APIs for dynamic user interactions.

Mobile Game Performance Dashboard

- Enhanced user engagement by 25% through developing and optimizing an interactive Tableau dashboard using Python to highlight trends in user engagement, monetization, and retention rates.
- Improved data processing efficiency by 40% by utilizing SQL and Python to extract and process large datasets from public gaming industry databases, leveraging data science techniques for insightful analysis.

- Accelerated decision-making for game development by conducting A/B testing on dashboard designs and presenting insights to cross-functional teams to inform strategy.
- Optimized user experience and information clarity by conducting A/B testing on dashboard designs, ensuring optimal user experience and information clarity.

Esports Tournament Analysis, University Capstone Project

- Achieved 80% accuracy in predictive models forecasting player performance and tournament outcomes by building models using Python and SQL.
- Enhanced data visualization and decision-making for esports tournaments by designing interactive Power BI reports to visualize player statistics, team rankings, and prize pool distributions.
- Improved team collaboration and project management by implementing Git for managing collaborative data analysis and report creation.
- Provided strategic recommendations to tournament organizers based on data-driven insights by presenting findings from data analysis.
- Led a team of 4 in a capstone project analyzing data from major esports tournaments using problem-solving skills and data science techniques.

CERTIFICATIONS

- **Data Science Professional Certificate:** IBM
- **Data Visualization with Tableau:** IBM
- **Tableau Desktop 10:** Simplilearn
- **Problem Solving (Intermediate) Certificate:** HackerRank
- **Machine Learning Advanced Professional Certificate:** Simplilearn
- **Data Science with Python:** Simplilearn

Achievements

DTCC Code-A-Thon

- Placed 1st in this national-level Code-A-Thon competition hosted by DTCC, showcasing the ability to tackle complex, real-world challenges under time pressure and apply technical skills in innovative ways.

University Data Challenge

- Led a 4-member team to create a data-driven solution for campus operations, earning recognition for innovation.

Code War: Bangalore vs Chennai vs Hyderabad" Competition

- Secured 2nd rank, scoring 248/440 in this coding competition organized by Coding Ninjas, demonstrating strong problem-solving, algorithm design, and programming abilities.