Chakrapani Gajji

+1(785)317-5938 | cgajji@ksu.edu | LinkedIn: chakrapanigajji | GitHub: Chakrapani2122| Portfolio: Chakrapani

Summary

Data Analytics graduate skilled in Python, Machine Learning, Statistical Modeling, and Business Intelligence. Proficient in Databricks, Tableau, Power BI, SQL, and Excel, with expertise in interactive dashboards and Scikit-Learn predictive models. Improved forecast precision and operational efficiency through data-driven insights, seeking entry-level Data Analyst/Scientist roles.

Education

Kansas State University — Manhattan, KS, USA
Master of Science in Data Analytics (GPA: 3.83/4.0) — *August 2024 – May 2026*

Sri Indu College College of Engineering and Technology — Hyderabad, Telangana, India
Bachelor of Technology in CSE-AIML (GPA: 3.4/4.0) — *October 2020 – April 2024*

Experience

Graduate Research Assistant — August 2024 – Present
Kansas State University — *Manhattan, KS, USA*

- Interpreted and deployed interactive Streamlit dashboards to visualize analysis outputs, enabling 20+ faculty members and research assistants to access actionable insights and make informed decisions based on complex research data.
- Collaborated with cross-functional teams of faculty and graduate researchers to analyze 10,000+ records of agricultural forecasting data, identifying key yield patterns and delivering targeted business intelligence insights that informed critical farm management decisions.
- Assisted in managing and analyzing large-scale agronomy datasets (over 50,000 data points), ensuring data integrity and reproducibility for 10+ faculty-led research project by implementing robust data validation.

Team Leader (Business Capstone Project) — January 2025 – May 2025
Kansas State University — *Manhattan, KS, USA*

- Managed the complete lifecycle for project, conducting detailed timeline planning, tracking 10+ major milestones, and coordinating with teams of up to 3 cross-functional members to achieve 100% on-time delivery and strong client alignment.
- Produced comprehensive data analyses and dashboards that generated 10+ strategic recommendations for client, presenting actionable findings that led to 15% improvements in operational efficiency and contributed to key business decisions.
- Partnered with stakeholder to convert complex datasets into executive-level presentation and report, enabling clear communication between team and management and accelerating decision-making processes.

Projects

Food Price Inflation(USA) | *Tableau, Power BI, Python, Visualization, Storytelling* August 2025 – September 2025

- Developed and implemented 6 interactive Tableau dashboards to analyze U.S. food price inflation trends, utilizing data visualization best practices to deliver clear, actionable insights into market fluctuations.
- Integrated filtering and drill-down features in Tableau dashboards, empowering end users to analyze inflation trends by region and commodity, resulting in customized insights and improved data-driven decision-making.
- Conducted advanced time-series analysis to identify seasonal and long-term price patterns, enhancing decision-making efficiency.

EarthQuake Analysis | *Tableau, Power BI, Python, Excel, Visualization, Storytelling* June 2025 – July 2025

- Designed and deployed Tableau dashboards incorporating geospatial maps, scatter plots, and ranked visualizations, enabling comprehensive data exploration and enhanced analytical capability.
- Boosted engagement and self-service analytics efficiency by 30% through intuitive dashboard design and guided interactive features.
- Built geospatial visualizations of 5000+ seismic events, delivering real-time risk assessment and actionable insights that enhanced disaster response planning in emergency management.

Survey Response Analysis | *Tableau, Python, Excel, NLP, Analysis, Machine Learning* January 2025 – May 2025

- Leveraged NLP and machine learning to analyze 5,000+ alumni and senior survey responses, developing predictive models and interactive Tableau dashboards that optimized outreach strategy and boosted projected participation.
- Managed end-to-end life cycle for strategic project, coordinating team of up to 3 cross-functional members to plan timelines, deliver 12+ actionable data-driven recommendations, and continuously monitor performance for ongoing strategic improvements.
- Applied advanced natural language processing (NLP) to analyze sentiment and extract key themes from 750+ open-ended survey responses, increasing client engagement relevance and depth, and informing 5+ campaign strategies.

VividTones | *Python, CNN, Image Processing, OpenCV, Deep Learning, Streamlit* December 2023 – April 2024

- Engineered a GPU-accelerated TensorFlow CNN pipeline with CI/CD for training on 100K+ images, using the pre-built models.
- Architected image colorization solutions for archival restoration and medical imaging by optimizing convolutional neural network (CNN) workflows, improving processing efficiency by 25%.
- Evaluated and validated model performance using 5+ key metrics and real-world test cases, achieving reliability for image restoration outputs in archival and medical imaging contexts.

Technical Skills

Programming & Database: Python(NumPy, Pandas, Sci-kit Learn), C, SQL (MySQL), R
Machine Learning & Statistical Methods: Sci-kit Learn, TensorFlow, Keras, NLP, Regression, Classification, Time-Series Forecasting, Predictive Modeling, Hypothesis Testing, Model Evaluation
Business Intelligence & Visualization: Tableau, Power BI, Matplotlib, Seaborn
Data Platforms & Developer Tools: Databricks, AWS, Docker, CI/CD, Git, Jupyter

LANGUAGES

English: Professional
Hindi: Fluent
Telugu: Native

CERTIFICATIONS

Data Analysis with Python (IBM)
Introduction to Data Science (Infosys)
SQL Essential Training (LinkedIn Learning)
Lean Six Sigma Yellow Belt (Kansas State University)
Python-Object Oriented Programming (LinkedIn Learning)
Python Basics (IBM)

PUBLICATIONS

A Survey on Large Language Models: Overview and Applications, IRJET, June 2024
Authored a concise introduction to large language models and generative AI, detailing their evolution, transformer architecture, and practical applications, and provided a step-by-step guide for designing domain-specific LLMs using open-source frameworks such as Llama 2.