SRUTHIJHA PAGOLU

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Education

University of Colorado Boulder   Aug 2023 – Dec 2025
Master of Science in Data Science – **CGPA: 3.96/4.00**

Mahindra University   Aug 2019 – May 2023
Bachelor of Technology in Electrical and Electronics Engineering – **CGPA: 3.54/4.00**

Technical Skills

Languages: Python, SQL, R
Data & ML: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, XGBoost
Visualization: Tableau, Matplotlib, Seaborn, ggplot
Tools & Platforms: Git, Excel, MATLAB, Figma, Google Cloud, Microsoft Azure

Work Experience

Intech Insurance Surveyors and Loss Assessors Pvt. Ltd   Jan 2023 – Jun 2023
Data Analyst Intern – Hyderabad, India

- Automated Python and Excel reporting across 15 branches, reducing manual effort by 90% and saving 20+ staff hours per month.
- Built a scikit-learn fraud detection model that improved identification accuracy by 25% for high-risk claims.
- Designed Tableau dashboards for claims, resolution times, and branch performance to enable real-time operational decisions.

Mahindra University   Apr 2022 – May 2023
Recruitment Analytics Coordinator – Hyderabad, India

- Analyzed placement and hiring trends to guide outreach strategy, improving student placement outcomes by 15%.
- Produced KPI dashboards tracking hiring pipelines and recruiter engagement, streamlining campaign reporting.
- Coordinated employer–student interactions (scheduling, data tracking, feedback) to ensure smooth recruitment operations.

Academic Projects

Airline Delay Prediction System | **Data Mining**   Aug 2024 – Dec 2024

- Integrated and cleaned multi-year airline flight data into a consolidated dataset for predictive modeling.
- Trained and fine-tuned multiple ML classifiers (Random Forest, SVM, Logistic Regression, Decision Tree, KNN) and evaluated performance with precision, recall, f1-score, and confusion matrices.

Real-Time Emotion Recognition from Speech | **Reinforcement Learning**   Mar 2024 – May 2024

- Preprocessed and augmented the RAVDESS speech dataset using MFCCs, spectrograms, and techniques such as noise injection and pitch shifting to create robust training inputs.
- Designed and trained CNN-LSTM models in TensorFlow/Keras, achieving high accuracy in classifying speech-based emotions across multiple categories.

MSR 2024 Mining Challenge | **Software Engineering**   Sep 2023 – Dec 2023

- Conducted sentiment analysis on ChatGPT conversation logs using TextBlob, applying threshold-based methods to evaluate satisfaction levels of responses.
- Analyzed programming-language-specific trends in developer feedback and visualized satisfaction metrics across languages, uncovering variation in ChatGPT's coding support effectiveness.

Leadership & Community Engagement

- **Graduate Peer Mentoring Program, CU Boulder:** Mentored incoming graduate students with academic guidance, career insights, and onboarding support.
- **Spoorthi Foundation NGO:** Volunteered in community development initiatives focused on education and youth empowerment, contributing to outreach activities that supported underprivileged students.