SRUTHIJHA PAGOLU

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EDUCATION

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

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

SKILLS

Programming Languages: Python, R, SQL, C
Machine Learning & AI: Scikit-learn, XGBoost, TensorFlow, Keras, PyTorch, Deep Learning
Data Analysis & Visualization: Statistics, Tableau, Matplotlib, Seaborn
Tools & Frameworks: Pandas, NumPy, Git, MATLAB, Figma, Microsoft Excel

WORK EXPERIENCE

Data Analyst Intern | Intech Insurance Surveyors and Loss Assessors Pvt. Ltd, India. Jan - Jun 2023
- Automated reporting workflows in Python and Excel, cutting manual effort by 90% and saving 20+ hours/month.
- Built a predictive model for insurance claims, boosting fraud detection accuracy by 25% across 15 branches.

Placement Cell Student Coordinator | Mahindra University Apr 2022 - May 2023
- Analyzed placement trends and industry hiring data to identify top companies for recruitment outreach.
- Produced strategic reports that guided placement campaigns and improved student-employer engagement.

Project Intern | Mahindra & Mahindra Ltd, India. Jul - Aug 2022
- Collected and analyzed operational data to support MTTR reduction and water scaling mitigation projects.
- Interpreted performance trends to assist in developing strategies for improving system efficiency.

ACADEMIC PROJECTS

Airline Delay Prediction System Aug - Dec 2024
- Built a machine learning model (Random Forest, XGBoost) achieving 97% accuracy in delay forecasting.
- Integrated Colorado weather datasets to generate actionable insights, reducing simulated delays by 10%.
- Designed data pipelines for preprocessing and feature engineering, improving model performance.

Real-Time Emotion Recognition from Speech Mar - May 2024
- Built a real-time emotion recognition system using CNNs and LSTMs to classify emotional states from speech.
- Achieved 95% accuracy on the RAVDESS dataset by combining deep learning with advanced audio processing.
- Enhanced model performance and interpretability through feature engineering and sequence modeling.

MSR 2024 Mining Challenge Sep - Dec 2023
- Led a data-driven research project evaluating ChatGPT's coding proficiency, using LSTMs in Keras.
- Conducted sentiment analysis on developer feedback using NLP, achieving 85% accuracy.
- Optimized hyperparameters to improve classification performance in software development insights.

Mobile App Development Aug - Dec 2022
Developed a user engagement analysis pipeline for a Flutter & Firebase-based social app.
- Conducted behavior analysis, leading to UI/UX enhancements that boosted user retention.
- Built Tableau dashboards to visualize app usage metrics for strategic improvements.