Sri Sai Raviteja Kuppala

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Summary

Data Science and Machine Learning professional pursuing a Master's in Applied Machine Intelligence (AI for Healthcare), with hands-on experience building end-to-end ML solutions including customer churn prediction and healthcare risk modeling. Strong in Python, model evaluation, and data-driven decision-making, with experience deploying analytics to improve business and operational outcomes. Seeking a data science or machine learning co-op in healthcare, life sciences, or applied AI.

EDUCATION

Northeastern University **Sep 2025 - Present**
Master of Professional Studies, Applied Machine Intelligence (GPA: 4.0)

International Institute of Information Technology Bengaluru **Jul 2024 - Feb 2025**
Advanced Certificate Programme, Data Science (GPA: 3.8)

Vasireddy Venkatadri Institute of Technology **Jun 2016 - Nov 2020**
Bachelor of Technology, Civil Engineering (GPA: 6.74)

SKILLS

- **Programming & Web:** Python (Pandas, NumPy, Scikit-learn, TensorFlow)
- **Machine Learning:** Regression, Classification, Decision Trees, Random Forest, Clustering, PCA, Gradient Boosting, Model Evaluation, Feature Engineering, Hyperparameter Tuning, Cross-Validation Techniques, Predictive Modeling
- **Deep Learning & NLP:** CNNs, RNNs, Transformers, Word Embeddings, Sentiment Analysis, Text Classification
- **Data Analysis & Visualization:** Data Wrangling, Exploratory Data Analysis (EDA), Statistical Analysis, Data Cleaning, Feature Selection, Tableau, Matplotlib, Seaborn
- **Databases & Tools:** MySQL, Git, Colab, FastAPI, Streamlit, Docker , AWS

PROFESSIONAL EXPERIENCE

Innomatics Research Labs | *Intern - Data Science* **Sep 2024 - Dec 2024**

- Performed end-to-end data analysis using Python (Pandas, NumPy) on real-world business datasets to extract actionable insights.
- Built predictive models to optimize delivery efficiency and revenue forecasting, improving planning accuracy by approximately 15–20%.
- Conducted feature engineering and exploratory data analysis in Python, applied SMOTE resampling to balance classes, which improved model recall on minority cases

Propanion India Private Limited | *Junior Software Developer* **May 2023 - Jun 2024**

- Implemented Clean Code principles including consistent naming conventions and modular structure to improve readability and reduce code review time.
- Identified, debugged, and resolved critical software issues, resulting in improved system stability and reduced downtime.
- Collaborated with senior developers to add new Node.js features and MySQL database enhancements that met business requirements, delivering functional updates that increased user satisfaction

AstroIT Technologies Pvt Ltd | *Intern - Full Stack Development* **Jan 2023 - Apr 2023**

- Collaborated with cross-functional teams in Jira to complete sprint tasks, delivering the planned features on schedule
- Designed and implemented backend services using Python, SpaCy, and FastAPI, enhancing address parsing accuracy and system efficiency.

PROJECTS

Telecom Customer Churn Prediction

- Built an end-to-end **Churn Prediction** model to identify high-risk customers using historical usage, billing, and service data.
- Handled class imbalance using appropriate resampling techniques and evaluated models with precision, recall, F1-score, and ROC-AUC.
- Trained and compared multiple models including **Logistic Regression, Decision Trees, Random Forest, and Gradient Boosting**.

Diabetes Hospital Readmission

- Predicted 30-day readmission risk for diabetic patients using 100K+ encounters.
- Applied XGBoost, LightGBM, and Logistic Regression; handled class imbalance with SMOTE.
- Achieved 71% accuracy, 50% recall, 67% ROC-AUC; automated risk scoring in 5 seconds.