RAVI TEJA KESAGANI

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Professional Summary

Passionate AI/ML enthusiast with hands-on experience in Python, Machine Learning, and data analysis. Worked on projects like customer churn prediction using XGBoost, including data cleaning, feature engineering, and model evaluation. Strong analytical and problem-solving skills with a keen interest in building data-driven solutions. Looking for an AI/ML internship to apply my skills and contribute to real-world projects.

Skills

Technical Skills	:	Python, SQL, Jupyter Notebook,Mathematics(Probability&Statistics)
Libraries	:	Pandas, NumPy, Matplotlib, Seaborn,Scikit-Learn
Machine Learning	:	Regression,Classification,Clustering,Feature Engineering,Model Evaluation (Accuracy,Precision,Recall,F1-score,ROC-AOC)
Soft Skills	:	Communication, Agile Learning, Problem Solving, Analytical Thinking, Attention to Detail

Experience

AI Intern — SmartKnower (Remote)
Nov 2022 – Dec 2022

- Developed a CNN-based image classification model on the CIFAR-10 dataset to identify 10 object classes.
- Performed data preprocessing, normalization, model training, evaluation, and accuracy comparison.
- Visualized model performance using loss and accuracy curves; generated classification reports and confusion matrix.

Projects

Uber Ride Cancellations & Wasted Capacity Analysis
Tools: SQL, Python (Pandas), Excel, Power BI | Data: 150K → 37K cleaned

- Cleaned and engineered 150K+ trip records into a 37K-row analysis dataset.
- Found 18% driver cancellations and 12 high-risk zones with ~60% cancellation, mainly during 6–8 PM.
- Estimated ~$185K/month loss; proposed driver incentive + allocation strategies → projected completion uplift: 62% → ~75%.
- Built Power BI dashboard visualizing zone/time cancellation patterns for operational decisions.

Customer Churn Prediction using Machine Learning
Tools : Python, Pandas, Scikit-Learn, XGBoost, Seaborn, Matplotlib

- Built an ML model to identify customers likely to discontinue services using behavioral and service usage patterns.
- Performed data cleaning, feature encoding, and feature selection to enhance dataset quality.
- Trained & tuned an XGBoost Classifier, achieving 85% accuracy and 0.88 ROC AUC Score.
- Evaluated model using precision (82%), recall (79%), F1-score (80%), and confusion matrix.
- Created visual dashboards to interpret churn drivers and feature importance for business decision-making.

Certifications

- **Oracle Certified Foundations Associate —** Oracle (2025)
- **Python 101 for Data Science (PY0101EN) —** IBM (2025)
- **Data Analytics Job Simulation —** Deloitte Australia (2025)

Education

- **Bachelor of Technology (B.Tech) in Artificial Intelligence and Data Science** 2021-2025
  J.B. Institute of Engineering and Technology (JBIET), Hyderabad
  CGPA: 7.4/10