

Priyanjana Tadepalli

A dedicated Machine Learning and Data Science enthusiast with strong problem-solving skills, a solid foundation in OOP and DBMS, and expertise in Scikit-learn, SQL, and Power BI. Adaptable, quick to learn, and eager to contribute to impactful projects in dynamic environments.

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INTERSHIPS

Infosys Springboard Internship

Data Analyst Intern

Feb 2025-Mar 2025

- Developed an interactive Power BI dashboard with 10+ visualizations, optimizing air quality data insights.
- Engineered a Streamlit app to enhance user interaction and dashboard integration.

Oil and Natural Gas Company(ONGC)

Machine Learning Intern

Dec 2024-Jan 2025

- Achieved 80% accuracy in predicting sandstone, oil, and water saturation using CatBoost & Random Forest.
- Enhanced seismic data processing efficiency by 30% via SEG-YIO and improved subsurface insights by 25% through crossplot analysis.

PROJECTS

Retention Radar

- Built an 84% accurate churn prediction model using Random Forest, optimizing customer retention strategies.
- Balanced data using SMOTE (99% to 87% accuracy balance) and fine-tuned hyperparameters with RandomSearchCV.
- Evaluated model performance via F1-score, precision, recall.

Sentiment Analysis

- Designed an 85% accurate sentiment classifier using VADER & RoBERTa.
- Conducted text preprocessing with Pandas, NLTK and visualized insights using Matplotlib & Seaborn.

E-Commerce Website (In Progress)

- Developing a full-stack second-hand goods marketplace with MongoDB, Express.js, Node.js authentication.
- Implementing real-time inventory tracking for a seamless user experience.

SKILLS

- Machine Learning
- SQL, Python, C++
- Power BI
- Front-End development
- MongoDB, GIT
- Data Structures and Algorithms

EDUCATION

Easwari Engineering College-Chennai

B.E Computer Science and Engineering - 8.96 GPA

2022- 2026

Padma Seshadri Bala Bhavan Senior Secondary School

Secondary School-96.8%, High School-97.8%

2015-2022

CERTIFICATIONS

- Machine Learning(Stanford Univeristy)
- Minors in AI(IIT-Ropar)

- Introduction to Cybersecurity(University of Maryland)
- Social Networks(NPTEL)
- Privacy and Security in Online Social Media(NPTEL)