

# Polu Sreekanth Reddy

Data Scientist

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## PROFESSIONAL SUMMARY

Ambitious Data Science fresher with a strong foundation in machine learning, data analysis, and deep learning. Proficient in Python, SQL, and data visualization tools, with hands-on experience in NLP, model deployment, and end-to-end ML projects. Completed multiple internships applying ML to real-world problems, including recommendation systems, predictive modeling, and interactive web apps using Flask and Streamlit. Eager to leverage technical expertise and problem-solving skills to contribute to data-driven decision-making in a dynamic organization.

## KEY SKILLS

- Programming & Databases:** Python, SQL, MySQL
- Mathematics & Statistics:** Probability, Statistics, Linear Algebra, Hypothesis Testing, Regression Analysis
- Machine Learning & AI:** Supervised & Unsupervised Learning, Deep Learning, NLP, Recommendation Systems
- Tools & Frameworks:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Microsoft Excel, Streamlit, Flask

## EXPERIENCE

### Data Science Intern - Unified Mentor | Dec 2024 – Mar 2025

- Developed and deployed ML models using Python, Flask, and Streamlit for real-world applications.
- Built projects including a Movie Recommendation System (Randomized SVD), Netflix Data Analysis, and World Population Analysis (Linear Regression).
- Improved model accuracy and efficiency through data preprocessing, feature engineering, and performance optimization.

### Machine Learning Trainer - CodingClub | Jun 2024 – Aug 2024

- Taught Machine Learning with Python to 50+ students, covering fundamentals to advanced algorithms.
- Guided students in building ML models, improving their practical problem-solving skills.
- Enhanced adaptability and communication skills while mentoring diverse learners.

### Artificial Intelligence Intern - Adverk | Jan 2023 – Apr 2023

- Worked on AI-driven projects using Python, implementing ML and deep learning models.
- Designed and optimized predictive models with TensorFlow, Scikit-learn, and Pandas.
- Gained hands-on experience in data cleaning, preprocessing, and model evaluation for real-world datasets.

## EDUCATION

### B.Tech in Computer Science & Engineering (Artificial Intelligence)

Parul University, PIET, Vadodara | 2021 – 2025 | **CGPA:** 7.55 / 10

### Intermediate (Class 12)

Narayana Junior College, Vijayawada | 2021 | **Percentage:** 95.3%

### Secondary School (Class 10)

Bheeram Sreedhar Reddy EM High School, Kadapa | 2019 | **CGPA:** 9.7 / 10

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## PROJECTS

### Laptop Price Prediction

- | Python, Scikit-learn, Streamlit
- Built a machine learning model using Gradient Boosting & Random Forest with  $R^2 \approx 0.88$  for price prediction.
  - Deployed with Streamlit, enabling real-time interactive predictions via a web interface.

### Breast Cancer Classification with Neural Network

- | Python, TensorFlow, Keras
- Designed and trained a multi-layer perceptron (MLP) model on the Wisconsin Breast Cancer Dataset.
  - Achieved ~98% test accuracy after preprocessing and normalization.

### Movie Recommendation System

- | Python, Scikit-learn
- Implemented a recommendation engine using Randomized SVD on a movie dataset.
  - Improved recommendation accuracy through feature engineering and matrix factorization.

### World Population Analysis

- | Python, Pandas, Matplotlib
- Applied Linear Regression to analyze and predict population growth trends.
  - Created visual dashboards to present insights on global demographics.
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## CERTIFICATES

- Crash Course on Python - Google (Coursera), 2023
- Introduction to Statistics - Stanford University (Coursera), 2023
- Natural Language Processing in TensorFlow - DeepLearning.AI (Coursera), 2023
- Artificial Intelligence - Adverk, 2023
- Machine Learning with Python - FreeCodeCamp , 2024
- Deep Learning - SimpliLearn, 2025