

# RAGUL PRASAD A

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## Personal Profile

Data Science student seeking internship opportunities in data science and analytics. Possesses a strong foundation in predictive modeling, exploratory data analysis, and data visualization, with hands-on experience working on real-world datasets. Interested in applying analytical skills in a professional environment and contributing to data-driven decision making.

## Education

### 2022 – 2027: Integrated MSc in Data Science

Amrita Vishwa Vidyapeetham, Coimbatore

**GPA:** 7.88/10.00

### 2021 – 2022: Higher Secondary Certificate (HSC)

GKD Matric Hr Sec School, Coimbatore

**Percentage:** 88.33%

### 2019 – 2020: Secondary School Leaving Certificate (SSLC)

GKD Matric Hr Sec School, Coimbatore

**Percentage:** 86.88%

## Skills

**Programming:** Python, SQL, R Programming, Matlab

**Data Analysis:** Pandas, NumPy, Exploratory Data Analysis, Statistics

**Machine Learning:** Regression, Classification, Clustering, Scikit-learn

**Deep Learning:** Neural Networks, TensorFlow / PyTorch (Basic)

**Visualization:** Matplotlib, Seaborn, Plotly, PowerBI

**Tools:** Git, GitHub, Jupyter Notebook, UiPath, KNIME

## Certifications

- Python for Data Science – Code Basics
- Data Analysis using Python – Cognizant
- Data Visualization using Python – Cognizant
- Machine Learning – Cognizant

## Projects & Research

### Parameter-Efficient Aspect-Based Sentiment Analysis using BERT Adapters | Dec 2025 – Mar 2026

- Developed a joint Aspect-Based Sentiment Analysis (ABSA) model using BERT-base with Houlsby-style adapters for parameter-efficient fine-tuning.
- Implemented BIO tagging for aspect extraction and span-level sentiment classification within a unified neural architecture.
- Reduced trainable parameters by over 95% compared to full fine-tuning while maintaining competitive performance.

### Indian Cricket Squad Performance Analysis | Jan 2025 – Feb 2025

- Analyzed the Indian cricket team's performance over the past five years using historical match data.
- Evaluated key metrics including batting averages, strike rates, bowling economy, and venue-based trends.
- Provided data-driven strategy recommendations for optimizing team performance under Dubai pitch conditions.

### **Used Car Price Prediction & Recommendation (Conference Paper) | Feb 2025 – Mar 2025**

- Designed and evaluated machine learning models to predict used car prices based on real-world market data.
- Performed feature analysis to identify key pricing factors such as mileage, vehicle age, brand, and fuel type.
- Applied regression techniques and validated models using standard evaluation metrics.
- Visualized pricing trends and correlations using Matplotlib and Seaborn to support analytical insights.

### **Library Management System | Jul 2024 – Nov 2024**

- Developed a system for book cataloging, member management, and transaction tracking.
- Implemented backend functionality using Python and MySQL with an HTML-based front end.
- Improved operational efficiency and accuracy in managing library records.

### **Personal Interests**

- Sports Analytics (Cricket)
- Predictive Modeling & Data Analysis
- Data Visualization & Insight Generation
- Traveling

### **Declaration**

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.