

RAGUL PRASAD A

Data Science Student

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SUMMARY

Highly motivated and detail-oriented **Data Science** student with a strong foundation in **Machine Learning, Deep Learning, Natural Language Processing, Data Visualization, Multivariate Statistics, Data Analytics, Big Data Analytics and Programming**. Passionate about solving real-world problems through **data analysis and AI-driven solutions**. Seeking an **internship** to apply technical and analytical skills in a professional environment.

EDUCATION

Integrated Master's Degree in Data Science

Amrita Vishwa Vidyapeetham, Coimbatore

2022 - 2027 | **CGPA: 7.8/10**

Higher Secondary Certificate (HSC)

GKD MATRIC HR SEC SCHOOL, Coimbatore

2021 - 2022 | **Percentage: 88.33%**

Secondary School Leaving Certificate (SSLC)

GKD MATRIC HR SEC SCHOOL, Coimbatore

2019 - 2020 | **Percentage: 86.8%**

TECHNICAL SKILLS

- **Programming:** Python, C, C++, SQL, R, MATLAB
 - **Visualization:** Microsoft Power BI, Jupyter Notebook, Excel
 - **Tools & Platforms:** Kaggle, Jupyter Notebook, Google Collab, VS Code, HIVE, My SQL, MongoDB, Cassandra, Postgre SQL
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CERTIFICATIONS

- **Python for Data Science** – Code Basics
 - **Data Analysis using Python** – Cognizant
 - **Data Visualization using Python** – Cognizant
 - **Machine Learning**– Cognizant
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PROJECTS & RESEARCH

Library Management System *(07/2024 – 11/2024)*

- Developed a system for **book cataloging, member management, and transaction tracking**.
- Utilized **Python, MySQL** for backend and **HTML** for front-end.
- Improved **efficiency and accuracy** in managing library operations.

Used Car Price Prediction and Recommendation using ML *(02/2025 – 03/2025)*

- Developed an **ML model** to **used car price** with high accuracy.
- **Performed data analysis on used car listings** to identify key factors influencing pricing, such as mileage, age, brand, and fuel type. Applied **machine learning models** to predict the price of used cars based on historical data and market trends. Enhanced insights through **data visualization** using libraries like **Matplotlib** and **Seaborn** to highlight patterns and correlations.

Smart Split – Intelligent Expense & Settlement Management System *(12/2025 – 03/2026)*

- Built a full-stack web application for tracking personal and group expenses with Google OAuth authentication and secure APIs.
- Implemented an optimized settlement algorithm to automatically calculate balances and minimize the number of transactions between users.

- Developed interactive dashboards with spending analytics (monthly trends and category-wise insights) using a scalable backend and responsive UI.

Parameter-Efficient Aspect-Based Sentiment Analysis using BERT Adapters (12/2025 – 04/2026)

- Developed a publication-grade ABSA model using frozen BERT with Houshy adapters, achieving strong performance with **<5% trainable parameters**.
 - Implemented joint learning for **Aspect Term Extraction (BIO tagging)** and **Sentiment Classification** with custom preprocessing and evaluation pipeline.
 - Conducted systematic experiments and **cross-domain evaluation (SemEval-2014)** to demonstrate robustness and generalization.
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RECOGNITIONS

- Served as a member of the **Student-Faculty Committee**, collaborating with faculty and peers to address academic policies, student concerns, and campus initiatives in **2nd Year**.
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VOLUNTEERING & SOCIAL SERVICE

National Social Services (NSS) Volunteer (2023 - 2024)

- Participated in **cleanliness drives** in rural areas.
 - Volunteered in a **one-week campaign** for **teaching and mentoring school children**.
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PERSONAL INTERESTS

AI Research & Blogging about Data Science
Playing Cricket & Traveling

LANGUAGES

- **English** (Work Proficiency)
- **Tamil** (Native Proficiency)
- **Kannada** (Understandable)

DECLARATION

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