



SUMMARY

Aspiring Data Scientist with strong foundation in statistics, data analysis, and predictive modeling. Experienced in research and mentoring, now building hands-on skills in Python, R, SQL, and machine learning for real-world problem-solving.

EDUCATION

Bharathiar University, Coimbatore

M.Sc. Statistics with Computer Applications,
2019 – 2021 | 74.3%

Bharathiyar Arts & Science College (W), Deviyakurichi.

B.Sc, Statistics
2016 – 2019 | 89.9%

SKILLS

- Python, R, SQL
- Machine Learning
- Power BI, Excel
- Data Analysis, EDA
- Predictive Modeling
- Random Forest, Logistic Regression, SVM, KMeans
- Streamlit, Tkinter
- Statistics

PROFESSIONAL EXPERIENCE

Assistant Professor (Statistics)

**AVS College of Arts & Science, Ramalingapuram |
Sep 2023 – May 2025**

- Delivered Statistics lectures and designed course content for undergraduate students, enhancing classroom engagement and learning effectiveness.
- Guided students in projects and thesis development, resulting in improved academic performance and research quality.

BioStatistician

**Mahatma Eye Hospital, Trichy |
Aug 2022 – Sep 2022**

- Applied statistical models to analyze complex biological and medical data.
- Provided insights to support evidence-based decision-making in clinical research.
- Performed data cleaning, preprocessing, and validation for clinical datasets.

CERTIFICATIONS

- Nano Degree on Data Science, Imagecon Academy, Salem.

PROJECTS

1. Email Spam Classification System (Streamlit, Machine Learning)

- Developed a Streamlit-based web application to classify emails as ham or spam using NLP and ML techniques.
- Performed text preprocessing (tokenization, stopword removal, vectorization) and trained models achieving 80% accuracy.

2. Vehicle Service Management System (Python, Tkinter)

- Built a GUI application for vehicle service center operations including customer registration, service tracking, and employee login.
- Implemented CRUD operations and Treeview-based record management for efficient data handling.

3. Machine Learning Model Trainer (Python, Tkinter)

- Created a GUI tool for data preprocessing, model training, and evaluation.
- Supported multiple algorithms including Linear Regression, Logistic Regression, SVM, KMeans, and Random Forest, with features such as CSV upload, scaling, and cross-validation.

4. Loan Prediction Analysis (R)

- Conducted EDA, data preprocessing, and PCA to identify key factors influencing loan approval.
- Built predictive models (Random Forest, Logistic Regression, SVM), achieving ~81% cross-validation accuracy with Random Forest.

5. Netflix User Behaviour and Content Analysis:

- Analyzed Netflix dataset containing shows, movies, genres, ratings, watch hours, and regions to understand user engagement and subscription trends. Built KPIs like Total Watch Hours, Average Ratings, Most Popular Genre, and Regional Subscribers, and developed an interactive Power BI dashboard to help management track performance, audience behaviour, and content release trends