

Vishnu V. S.

Kollam, Kerala

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Career Objective

I am a highly motivated researcher with a strong academic background in Applied Statistics and Data Analytics. My expertise lies in applying statistical and machine learning techniques to real-world problems. I aim to leverage these core skills to contribute to data-driven research, while advancing my strong research interest in scalable Bayesian inference and MCMC algorithms.

Personal Information

Permanent Address: Vinod Bhavan, Ambalamkunnu, Nettayam P O, Kollam, Kerala, India - 691537
Gender: Male
DOB: 16-July-2001
Marital Status: Single

Education

M.Sc. in Applied Statistics and Data Analytics University of Kerala Mentor: Dr. Manoj Chacko Professor and Head, Department of Statistics, University of Kerala	2022 – 2024 CGPA - 8.28
B.Sc. in Statistics University of Kerala Mentor: Dr. Anjana V. Associate Professor and Head, Department of Statistics, University of Kerala	2019 – 2022 CGPA - 7.63

Professional Experience

Assistant Manager – Cash Management Analyst <i>Corporate Office, Asirvad Microfinance Pvt. Ltd., Valapad, Thrissur</i>	Jan 2025 – May 2025
* Developed a cash deposit tracker to identify non-compliant branches, improving efficiency and reducing discrepancies.	
* Conducted descriptive and regression analysis on branch performance and cash flow trends using R and Excel.	
* Coordinated with zonal managers to streamline communication and strengthen compliance across branches, and monitored daily cash flow to mitigate risks related to fraud and financial irregularities.	
Statistical Surveyor (Intern) <i>LILo (liveLocal) – Food Delivery Application, Trivandrum</i>	Jan 2024 – Mar 2024
* Analyzed survey data to assist in behavioral modeling and user trends.	

Research Experience

Survival Analysis on Lung Cancer Data (R)

Personal Project July 2025 – Aug 2025

* Applied Cox Proportional Hazards models and plotted Kaplan–Meier curves to clinical lung cancer data.

Stock Price Prediction using Machine Learning Models and Classical Models

Master's Project

Jan 2024 – June 2024

Guide: Dr. Manoj Chacko

- * Built LSTM, Random Forest, and KNN models for forecasting Kotak Mahindra Bank stock prices.
- * Evaluated models using RMSE and computational efficiency metrics; LSTM demonstrated the best performance.
- * Explored potential trade-offs between complexity, accuracy, and compute time.

Statistical Analysis of Lifestyle Diseases using SPSS

Batchler's Project

Jan 2022 – May 2022

Guide: Dr. Anjana V.

- * Conducted trend analysis on lifestyle diseases using survey data and provided insights on prevalence patterns and key risk factors.

Skills

- * **Programming & Software:** Python, R, SQL, SPSS, Power BI
- * **Statistics:** Longitudinal Data Modelling, Survival Analysis, Time-Series Analysis
- * **Machine Learning:** Support Vector Machines (SVM), Long Short-Term Memory (LSTM), Recurrent Neural Networks (RNN), Convolutional Neural Networks (CNN)
- * **Soft Skills:** Adaptability, Creative Thinking, Leadership, Self-Motivation
- * **Hard Skills:** Process Optimization, Data Interpretation, Risk Management, Stakeholder Communication, Team Coordination, Performance Monitoring, Problem-Solving

Conferences Attended

- * **National Conference on Current Developments in Statistics (NCCDS – 2024)** June 27–29, 2024
University of Kerala, India
- * **Eighth International Conference on Recent Trends in Statistics and Data Analytics (RTSD 2023)**
University of Kerala, India
- * **International Conference on Statistics for the Twenty First Century (ICSTC–2022)**
University of Kerala, India

Honours and Awards

- * Recipient of **Central Sector Scholarship** for Postgraduate Studies (2022–2024) from Ministry of Education, Govt. of India.

Certifications and Workshops

- * Workshop on **Statistical Analysis with SPSS** – Dec 19–20, 2023
University of Kerala and IBM.
- * **National Workshop on Epidemiological Studies & RCTs** – July 08–12, 2023
University of Kerala.

Volunteer Experience

- * **Volunteer – Blood Donors Kerala, Charitable Society** 2021–Present
Supported blood donation drives and community health initiatives through event coordination and data management.
- * **National Service Scheme (NSS) Volunteer** 2019–2022
Actively participated in community development programs, health awareness drives, and leadership activities during undergraduate studies.
- * **Rajyapuraskar Scout – Bharat Scouts and Guides** 2014–2017
Earned the Rajyapuraskar Award for excellence in outdoor skills, leadership, service activities, and teamwork.

Hobbies

Farming, Cooking, Traveling, Fitness, Self-Improvement

References

Dr. Manoj Chacko

Professor and Head
Department of Statistics, University of Kerala
Kariavattom, Trivandrum 695581, Kerala, India
drmanoj@keralauniversity.ac.in

Dr. E. I. Abdul Sathar

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