

BIGIL BIJU

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Professional Summary

Detail-oriented and analytical **Statistics Postgraduate** specializing in data analysis, statistical modeling, and visualization. Proficient in extracting insights from large datasets using R, Python, SAS, SPSS, and Power BI. Skilled in hypothesis testing, predictive modeling, and data-driven decision-making. Strong communicator with proven ability to translate complex findings into actionable business strategies.

Technical Skills & Soft Skills

Technical Skills:

- **Data Analytics & Visualization:** Power BI, Excel, MS Office
- **Statistical Tools:** R (Intermediate), SAS (Basics), SPSS (Basics)
- **Programming:** Python (Basics)
- **Techniques:** Statistical Modeling, Hypothesis Testing, Categorical Data Analysis, Regression, Forecasting

Soft Skills:

- Leadership and Team Management
- Organizing and Event Coordination
- Strong Communication Skills
- Problem-Solving and Analytical Thinking

Education

• M.Sc Statistics Mar Athanasius College (Autonomous), Kothamangalam	2023 – 2025 70.60%
• B.Sc Mathematics Nirmala College, Muvattupuzha	2020 – 2023 73%
• Higher Secondary Education St. Johns Syrian HSS, Koothattukulam	2018 – 2020 93%
• SSLC Infant Jesus EMHS, Koothattukulam	2018 91%

Academic Projects

- **Statistical Study on Students' Stress Factors** – Conducted in-depth statistical analysis to identify key factors that influence student stress. Applied Chi-square, Mann-Whitney U, Spearman correlation, and multinomial logistic regression on survey data to reveal significant patterns. Generated data-driven recommendations to improve student well-being and performance.
- **Graph Colouring and Its Applications** – Explored graph theory concepts, including vertex/edge colouring and chromatic numbers. Applied optimization techniques to real-world scheduling, resource allocation, and network frequency assignment problems. Developed algorithmic solutions to minimize conflicts, enhancing decision-making efficiency.

Certifications & Achievements

- Python Programming – DataCamp
- Power BI – DataCamp
- Categorical Data Analysis
- NCC 'C' Certificate – National Cadet Corps

Languages & Hobbies

Languages:

- English – Proficient
- Malayalam – Native
- Hindi – Intermediate
- Tamil – Conversational (Speaking & Listening)

Hobbies:

- Photography
- Video Editing
- Travelling