MURTHAJA AFHAM

Statistics Graduate | Data Science

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PROFILE

MSc Statistics graduate with strong analytical skills and hands-on experience in data cleaning, exploratory data analysis, and insight generation using Python, SQL, and R. Familiar with Power BI, and Tableau for reporting and visualization. Interested in applying analytical thinking to solve business problems and continuously learning in a professional analytics environment.

SKILLS

TECHNICAL SKILLS
- Programming & Data Tools: Python, R, SQL (MySQL)
- Python Libraries: NumPy, Pandas
- Visualization Tools: Power BI, Tableau
- Development Tools: Jupyter Notebook, VS Code, RStudio, MS Excel (basic)

SOFT SKILLS
- Problem Solving
- Critical Thinking
- Curiosity and willingness to learn
- Team collaboration

EDUCATION

MSc Statistics, *Pondichery University, Puducherry, India*   2023 – 2025

BSc Statistics,, *Sir Syed College Taliparamba , Kannur*   2020 – 2023

Data Science Program(Ongoing), *Techolas Technologies, Calicut*   present

PROJECTS

Flight Price Prediction Using Python (ML Project)
Python | Pandas | NumPy | EDA
- Developed an end-to-end data science project with primary focus on Python-based data handling, cleaning, preprocessing, and exploratory data analysis on real-world flight data (~10,000 records).
- Engineered meaningful features through datetime extraction, duration transformation, categorical encoding, missing-value handling, and outlier treatment to prepare model-ready data.
- Performed exploratory data analysis using visualizations to understand price distribution, route patterns, stop-based variations, and seasonal effects.

Statistical Analysis of Sleep and Lifestyle Factors 🔗
R | Descriptive Statistics | EDA | Hypothesis Testing | Regression
- Conducted an academic statistical analysis on sleep and lifestyle health data using R to study relationships between sleep patterns, stress, physical activity, and health outcomes.
- Applied descriptive statistics, exploratory data analysis, correlation analysis, regression, hypothesis testing, and ANOVA, interpreting results using p-values and confidence intervals.

CERTIFICATES

- NPTEL- Data Analytics with Python 🔗