

# Vishal Dileep Mali

M.Sc. (Statistics)

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## Objective

Seeking an opportunity to utilize my expertise in statistics , machine learning skills to enhance data-driven decisions, and data analysis to contribute to the success of an organization. I can apply my knowledge of statistical methods and techniques in order to develop meaningful insights from data

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## Education

### MSc (Statistics)

Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Pursing

2023-25

### BSc in Statistics

Pratap College ,Amalner

Percentage: 69.17%    CGPA: 8.21/10

2020-23

### HSC

Pratap College ,Amalner

Percentage: 66.31%

2020

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## Skills

**Languages and Statistical Software:** Python, R, SQL, Excel, SAS, Minitab, MATLAB

**Data Analysis and Modeling:** Hypothesis Testing, Regression analysis , ANOVA, EDA, Time Series, Evaluation, Predictive Techniques, Clinical Trials, Visualization (Python in Seaborn, Matplotlib), (R in ggplot2, Plotly), Machine Learning (Scikit-learn)

**Quality Control:** Control charts and Process capability analysis

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## Certified Courses

Machine Learning course by Symbiosis skills and Professional University Pune

Data Analytics with Python (NPTEL Certified)

Created and taught an online course on data analytics with Python.

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## Projects

**Are mobile games beneficial for college students?**

2023

Collected data from college students and did a detailed analysis using tools like descriptive statistics, F test, chi-square test, and z-test. The study found that mobile games can be helpful for students if played in moderation, mainly for relaxation and entertainment

**Bayesian Linear Regression: A Probabilistic Approach of Linear Regression**

2024

Carried out a study on Bayesian Linear Regression (BLR), combining probabilistic methods with traditional regression models. Used R packages (brms, rstanarm) to apply BLR on both simulated and real-world data, highlighting benefits like handling uncertainty. Checked model accuracy using measures like Bayesian  $R^2$

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## Internship

### On Job Training

Jalgaon Janta Sahakari Bank LTD, Jalgaon

Analyzed deposit datasets for insights on practices.

May-Jun 2024

