

# PATIL MAYURI SANJAY

☎ +91-9322043514 — ✉ mayuri002512@gmail.com — LinkedIn — 🐙 GitHub

## EDUCATION

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- **M.Sc. Statistics,**  
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon *2023 – 2025*  
Pursuing
- **B.Sc. Statistics,**  
Pratap College, Amalner *2020 – 2023*  
CGPA: 7.99
- **HSC (Science),**  
Pratap College, Amalner *2018 – 2020*  
Percentage: 67.69

## RELATED COURSEWORK

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- Statistical Process Control and Probability Distribution
- Distribution Theory, Mathematical Methods, Sampling Theory and Statistics for National Development
- Advanced R Programming, Numerical Methods, Statistical Computing with Python, Data Mining
- Inferential Statistics: Hypothesis testing, Regression Analysis, ANOVA

## INTERNSHIP

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- **On Job Training: District Statistical Office, Jalgaon**
  - Worked under the supervision of **Mr. R.P. Borse (DSO)**.
  - Trained in data collection techniques and ensuring data accuracy.
  - Gained knowledge about government procedures and administrative protocols in statistics.
  - Assisted in District Project and Program Monitoring Unit under the guidance of the **Mr. Ayush Prasad (Collector)**

## PROJECT

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- **Statistical Analysis of Various Government Schemes** *Nov 2022 – Apr 2023*
  - Tools: R Software, MS Excel
  - Conducted a survey using Google Forms to study the awareness and usage of government schemes like PMJDY, PMAY, and PMJJY. Analyzed the data using statistical tools, including charts and graphs, to present insights effectively. Examined the impact of factors such as gender, age, and urban-rural demographics on the use of schemes.
- **Analysis of Gold Import and Gold Prices in India** *July 2024 – Dec 2024*
  - Tools: R Software, MS Excel, Minitab
  - Conducted a statistical analysis of gold import trends and prices in India (1999-2024) using time series modeling and correlation analysis. Evaluated the impact of factors such as crude oil prices, Sensex, and currency exchange rates to forecast trends and provide economic insights.

## TECHNICAL SKILLS

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- **R Programming:** ggplot2, plotly, dplyr, tidyr, data.table, lattice
- **Python:** Numpy, Pandas, matplotlib, seaborn, scipy.stats, sympy, sklearn
- **Other Tools:** SQL, MATLAB, Minitab, SAS

## CERTIFICATION

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- Data Analytics with Python - NPTEL Online Certification Course

## REFERENCES

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- Prof. R.L.Shinde  
Professor,  
Department of Statistics, School of Mathematical Sciences, KBC NMU, Jalgaon  
Phone: 942043752
- Mr. M.C.Patil  
Assistant Professor,  
Department of Statistics, School of Mathematical Sciences, KBC NMU, Jalgaon  
Phone: 9545755855