

# KALYANI SONAWANE

Chopda, Maharashtra

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## EDUCATION

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### M.Sc. in Statistics

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

2023 – 2025

Pursuing

### B.Sc. in Actuarial Science, CGPA - 9.84

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

2020 – 2023

## RELATED COURSEWORK

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- Financial Mathematics, Life Contingency, Survival Models, Credibility theory and Loss Distribution, Statistical Process Control and Total Quality Management, Probability Distribution, Stochastic Process
- Distribution Theory, Mathematical Methods, Sampling Theory and Statistics for National Development, Advanced R Programming and Numerical Methods, Statistical Computing with Python, Data Mining, etc.
- Inferential Statistics:** Hypothesis testing, regression analysis, ANOVA

## INTERNSHIP

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- On Job Training:** Social Justice and Special Assistance Department, Jalgaon  
Study on Development and Impact of Special Component Plan

## PROJECT

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- Applications of Generalized Linear Models to Actuarial Problems**
  - Contributed to a project aimed at fitting Generalized Linear Models (GLMs) to actuarial problems, such as claim frequency and severity. Utilized R and Python to apply Poisson and Gamma distributions, improving the precision of actuarial predictions and pricing strategies.

## TECHNICAL SKILLS

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- R Programming**
- Python**
- SQL**
- Minitab**
- Excel**

## CERTIFICATIONS

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- CS1: Actuarial Statistics - Institute of Actuaries of India (Passed: Nov 2024)
- Data Analytics with Python - NPTEL Online Certification Course

## REFERENCES

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- Prof. K.K.Kamalja**  
Head,  
Department of Statistics, School of Mathematical Sciences, KBC NMU, Jalgaon  
Phone: 9421515631
- Mr. M.C.Patil**  
Assistant Professor,  
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