

# Komal Sitaram Patil

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## 🧩 OBEJECTIVE

To work with an organization where can learn new skills and increase my abilities for the organizational goal as well as myself.

## 🎓 EDUCATION

|   |                        |
|---|------------------------|
| <b>KBC North Maharashtra University, Jalgaon</b><br>Master of Science in Statistics | <b>2023</b><br>Present |
| <b>Pratap College, Amalner</b><br>Bachlor of Science in Statistics                  | <b>2023</b><br>74.35%  |
| <b>Pratap College, Amalner</b><br>Higher Secondary Certificate                      | <b>2020</b><br>73.38%  |
| <b>Balaji Vidyalay Gandhali-Plode</b><br>Secondary School Certificate               | <b>2018</b><br>85.00%  |

## 📁 PROJECTS

- Applications of Generalized Linear Models to Actuarial Problems** **2024**
- Contributing to project aimed at fitting Generalized Linear Models (GLMs) to actuarial problems, such as claim frequency and severity. Utilizing R and Python to apply Poisson, Gamma and Multiple Logistic GLMs, improving the precision of actuarial predictions and pricing strategies.
- Regression Case Study: "How Salary Relates to Education"** **2022-2023**
- Conducted a detailed analysis of salary data using Python, focusing on simple linear regression with variables such as salary and years of the experience.
  - Identified and addressed missing values, detected outliers and performed data splitting into training and testing sets utilizing sklearn model selection.
  - Achieved an impressive Adjusted  $R^2$  value of 0.89, demonstrating the strong model performance.

## 🧩 INTERNSHIP

We studied cluster formation to make developed project reports for Banana Food Processing Cluster and a Polypropylene Mats Cluster in District Planning Office, Jalgaon under the guidance of District Planning Officer. **[May 2024 - June 2024]**

## 🧩 CERTIFICATIONS

|  |             |
|--|-------------|
| <b>Certificate by Symbiosis Technology for Machine Learning</b><br>Symbiosis Professional University, Pune | <b>2023</b> |
| <b>NPTEL Online certification of Data Analytics with Python course</b>                                     | <b>2023</b> |

## 🧩 SKILLS

### Personal Skills:

- Active learning
- Management
- Team work
- Leadership

### Software Skills:

Microsoft Excel, Microsoft Word, MATLAB, Minitab, Python, Rstudio, SQL(intermediate)

### Statistical Skills:

Regression analysis, Testing of hypothesis, Statistical tests, EDA, Machine learning.