



## SNEHAL ZAREKAR

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### Objective

To enhance my professional skills, capabilities, and knowledge in an organization that recognizes the value of hard work and trusts me with responsibilities and challenges.

### Education

2021 - 2023	<b>Master Of Science</b> Shivaji University, Kolhapur. 82.62%
2018 - 2021	<b>Bachelor Of Science</b> Shivaji University, Kolhapur. 91.44%
2017 - 2018	<b>H S C</b> Swami Ramanand Bharti Vidyamandir, Tasgaon. 85.23%
2015 - 2016	<b>S S C</b> Shri Panch Kroshi High School, Borgaon. 93.40%

### Skills

R Programming

Python

Excel

### Projects

**Impact of COVID-19 on mental health of frontline workers**

COVID-19 has impacted severely on health care industry, especially on mental health of frontline workers. Which factors were significant for the depression of workers being analyzed? We have developed a web app predicting whether a person is depressed or not, backed by the model which was trained by machine learning algorithm random forest. Also, statistical visualization and association tests are used.

## **Time Series Analysis of Stock Market Returns Predicting Optimal Investment Holding Periods**

Our objectives were:

1. To rank companies according to their future potential average.
2. To find a period of investment that gives positive returns with 95% confidence.
3. To study the risk associated with corresponding companies which give maximum returns.
4. For the traders who are willing to risks, we rank companies according to their potential to give high returns corresponding to the volatility of the respective company.

## **Expanding Frontiers in Computer Vision and Language Fusion**

Our objectives were:

1. To learn how the machine learns to capture a specific part of the image and generate a relevant description for it.
2. Use of LSTM and RNN to seamlessly integrate visual features extracted by CNNs with sequential information.
3. To develop a model that can generate descriptive and meaningful captions that effectively capture the content and context of the given image.
4. To narrate the image of human individuals using a trained model.

## **Interests**

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Programming

Reading

## **Activities**

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Completed online course of 'Introduction to R programming'.

Completed online course on 'Python for beginners'.

Pursuing Applied Multivariate Statistical Modelling offered by NPTEL.

Pursuing Predictive Analytics-Regression and Classification offered by NPTEL.

## **Languages**

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English

Marathi

Hindi