

# Sweekrithi Shetty

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4 years experience | Machine Learning | Supervised Learning | Data Science

## EDUCATION

**Binghamton University, SUNY | Thomas J. Watson College of Engineering**

*Master's Degree, Computer Science*

*Feb 2021-(Expected Dec 2022)*

**GPA: 3.9/4**

**University of Mumbai**

*Bachelor's Degree, Electronics and Telecommunication*

*July 2014 – June 2018*

**CGPA: 8.15 / 10**

## SKILLS

- **Technical Skills:** Python, Git, R, SQL, Java, C++
- **Tools:** SQL, Tableau, PowerBI, Advanced Excel (Pivot Tables, StatTools, PyCharm)
- **Frameworks:** Numpy, Pandas, Tensorflow, NLTK, Spacy, Keras, SKLearn, Matplotlib
- **Statistics:** Inferential Statistics, Experimental Design, Hypothesis Testing (A/B Testing), Regression Analysis

## WORK EXPERIENCE

**Tata Communications Ltd,**

*Engineer / Transmission Engineering / Planning Department*

**Mumbai, India**

*Jul 2018 - Jan 2021*

Project: **Fiber fault prediction**

- Developed ARIMA model to predict fiber fault at a particular location which was implemented to reduce the operating expense.

Project: **Bandwidth Recommender system**

- Developed time series analysis model to predict bandwidth utilization. The visualization analysis was done using a PowerBI tool

## PROJECTS

**Binghamton University, State University of New York**

Project: **Toxic comment classification (Kaggle Competition)**

**Binghamton, New York**

*Spring 2021*

- Developed a multi-label classifier, not only to identify the toxic comments but also detect the type of toxicity such as threats, obscenity, insults, and identity-based which was developed using supervised algorithms.

Project: **Credit Risk Modelling**

*Summer 2021*

- Built a model that predicts loan repayment and the factors involved in determining this likelihood are complex, and extensive statistical analysis and modeling are required to predict the outcome for each individual case.

Project: **New York Stock Price Prediction**

*Fall 2021*

- To develop models for New York Stock Exchange price prediction and obtain the best model with the lowest mean-square error.

Project: **Analyzing Twitter Trends on COVID-19 Vaccination**

*Fall 2021*

- Extracted data from twitter by making a raw http request and analyzed different factors such as different sentiments and trending topics in discussion.

## RESEARCH EXPERIENCE

**Indian Institute of Technology, Bombay**

*Research Assistant*

**Mumbai, India**

*July 2017 - June 2018*

Project: **Detection of Micro-cracks in electroluminescence images of Photovoltaic Modules (NCPRE Lab)**

- Developed model using supervised learning algorithms such as Neural network and SVM. The main aim is to detect micro-cracks and classify them into various modules using electroluminescent image.

**SUNY, Research Foundation**

*Graduate Research Assistant*

**Binghamton, New York**

*Fall 2021*

Project: **Prediction and analyses of food insecurity in US**

- Analyzed the factors that increasing the percentage of food insecurity during pandemic through correlation analysis and Logistic regression analysis.

## OTHER RELEVANT COURSES

**Neural Networks and Machine Learning (MIT Fab Lab), Case Study on Machine Learning (University of Washington),**

**Data Analyst (Issued by IBM), Google Cloud Certified Professional Cloud Architect (Coursera)**