

## BRIEF SUMMARY

To leverage my expertise in Machine Learning or Web Development, coupled with my strong passion for learning and exploring new technologies, to secure a challenging role that allows me to contribute to cutting-edge projects, further expand my skill set, and achieve professional growth within the industry.

## KEY EXPERTISE

Java C++ Python Machine Learning NLP Computer Vision Javascript ReactJS MySQL

## EDUCATION

<b>MIT Academy of Engineering, Pune</b> B.Tech. - Computer Science and Engineering   CGPA: 9.16 / 10.00	2020 - 2024
<b>DNCVP Sanchalit Shirish Madhukarrao Chaudhari College, Jalgaon, Jalgaon</b> 12 <sup>th</sup>   MSBSHSE   Percentage: 75.38 / 100.00	2020
<b>St.Lawrence High School, Jalgaon, Jalgaon</b> 10 <sup>th</sup>   MSBSHSE   Percentage: 77.60 / 100.00	2018

## INTERNSHIPS

<b>Result Solutions</b> Backend Developer <b>Key Skills:</b> Flask Python REST MongoDB Machine Learning	01 Jun, 2023 - 15 Aug, 2023
Developed a resume parser that could extract information from resumes, such as skills, and education. Worked on the backend of the resume parser, which included developing the API and database. I learned about how git and GitHub works throughout the project and improved my knowledge on how parsing of files can be done and how NER models work.	

## PROJECTS

### LIBRARY MANAGEMENT SYSTEM FOR MITAOE COLLEGE

**Mentor:** Mr. Sandeep Shiravle | **Team Size:** 4

**Key Skills:** MongoDB React NodeJS CSS

A Web System used by students and college staff for accessing books and project availability. Also making awareness of all the services like IEEE papers access and NPTEL courses through normal browsing. For librarians to be able to assess data and generate reports and convert activities to digitalized format.

### Naive Bayes E-mail Spam Filtering model

**Mentor:** Ms. Padma Nimbore | **Team Size:** 1

**Key Skills:** Machine Learning Data Classification Data Visualization NLP

A Machine Learning Model which will help in classifying spam emails for users. The model was trained on a dataset of labeled e-mails using Naive Bayes approach and unigram and bigram for dataset processing. Using two n-gram methods accuracy was increased.

## PUBLICATIONS / RESEARCH / WHITE PAPERS

### Heterogenous Incremental Ensembled Method For Imbalanced Credit Score

22 Aug, 2023

Research Paper | IEEE Publications | **Mentor:** Dr. Sunita Barve | **No. of Authors:** 4

**Key Skills:** Machine Learning Python Data Analysis

Credit scoring is a difficult task as the data can be highly imbalanced and have a varying numbers of features. This leads to difficulty in training models. Here incremental ensemble models come in. After analyzing many models like adaboost, randomforest, and gradient boost a conclusion of some perform better and other not so good. But combining them and removing there negatives can help in increasing the accuracy of the final trained model. Thus, Heterogenous incremental ensemble model was created with different ratios of the randomforest, adaboost, etc models were created and tested and a ratio with the best accuracy was found. Thus proving that using heterogenous ensemble model can help in handling imbalanced and multiple feature data to score things accurately.

## ACHIEVEMENTS

- Finalist in a National Level Hackathon Inspiron2.0 in Machine Learning Domain

- Patent of Project "Library Management System"

## ASSESSMENTS / CERTIFICATIONS

### Azure AI Fundamentals

**Key Skills:** Azure Bot Services Azure Machine Learning Cognitive Services

### AWS Academy Machine Learning Foundations

**Key Skills:** AWS AWS Cloud Computing Machine Learning Foundation

## PERSONAL INTERESTS / HOBBIES

- Music Production

## WEB LINKS / IMs

- WhatsApp - 7276378550
- Github - <https://github.com/sleepy56>
- Other - <https://leetcode.com/sanketapatil178/>