



**JATIN SAREEN**

**B.Tech. - Computer Engineering**

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## BRIEF SUMMARY

Aspiring Software Engineer with a strong academic foundation and practical experience in statistical analysis, machine learning, deep learning, NLP, Generative AI, and data visualization techniques. Proficient in Python and C++, with excellent problem-solving skills and a passion for uncovering trends and patterns to support business growth. Eager to leverage my skills and knowledge to contribute to data-driven decision-making and innovation in a dynamic organization.

## EDUCATION

**J.C Bose University of Science & Technology, YMCA, Faridabad**

2021 - 2025

B.Tech. - Computer Engineering | CGPA: 7.49 / 10

**DAV PUBLIC SCHOOL, SRESHTHA VIHAR, Delhi**

2020

12<sup>th</sup> | CBSE | Percentage: 88 / 100

**Holy Angels' Sr. Sec. School, Ghaziabad**

2018

10<sup>th</sup> | CISCE | Percentage: 90.16 / 100

## KEY EXPERTISE

Python C++ Deep Learning NLP Machine Learning Computer Vision Docker

## PROJECTS

**Shredder Machine Safety**

01 Jun, 2024 - 08 Jul, 2024

Team Size: 1

**Key Skills:** Computer Vision Python Deep Learning TensorFlow OpenCV

**Project Link:** <https://github.com/jatin-12-2002/Shredder-System>

- 1) Developed a computer vision system using TensorFlow and OpenCV to enhance worker safety by accurately detecting safety boundary breaches with object detection models.
- 2) Trained Faster R-CNN achieving a Mean Average Precision (MAP) score of 85, and SSD MobileNetV2 achieving a MAP score of 70, using an expanded dataset of 7500 images.

**Chest Disease Classification from Chest CT Scan Image**

01 Apr, 2024 - 17 Apr, 2024

Team Size: 2

**Key Skills:** Python Flask Deep Learning MLOPS Docker HTML CSS Javascript TensorFlow

**Project Link:** <https://github.com/jatin-12-2002/Chest-Disease-Classification-Final-Version>

- 1) Developed an MLOps end-to-end pipeline using Deep Learning and Data Version Control (DVC) to classify chest CT scan images into four categories (adenocarcinoma, large cell carcinoma, normal, squamous cell carcinoma) with an accuracy of 89.52%.
- 2) Integrated MLFlow for experiment tracking and model management, ensuring continuous improvement in the classification process. The ResNet50 architecture was crucial in achieving high accuracy by effectively handling the complexities of image classification.

**Phishing Classifier**

01 Oct, 2023 - 19 Oct, 2023

Team Size: 2

**Key Skills:** Python Flask Machine Learning Pandas Scikit-Learn HTML CSS Javascript

**Project Link:** <https://github.com/jatin-12-2002/phishing-classifier>

- 1) Developed an automated MLOps end-to-end pipeline using Machine Learning and performed Exploratory Data Analysis (EDA) on a phishing dataset to identify key features such as "SSLfinal\_State" and "URL\_of\_Anchor" that impact URL classification accuracy.
- 2) Built and tuned models, with the XGBoost Classifier achieving a classification accuracy of 97.1%, significantly reducing the risk of misidentifying malicious URLs.

## ACHIEVEMENTS

- o Solved 600+ problems on Programming sites like leetcode, geeksforgeeks, codestudio.
- o 5 star in C++ and Problem Solving on Hackerrank.

- Specialist(Level-6) on Codestudio.

## POSITIONS OF RESPONSIBILITY

### Campus Ambassador

#### E-cell, IIT Bombay

July 2022 - December 2022

Key Skills: **Social Media Marketing**

- Responsible for registering students of my college to participate in various events held by E-cell IIT Bombay.
- Spread awareness of events held by E-cell IIT Bombay through social medias like LinkedIn, Instagram.

## PERSONAL INTERESTS / HOBBIES

- Playing Chess.
- Listening Music

## WEB LINKS

- Github - <https://github.com/jatin-12-2002>
- Other - <https://leetcode.com/u/jatin2002/>
- Other - [https://codeforces.com/profile/jatin\\_12\\_2002](https://codeforces.com/profile/jatin_12_2002)
- Other - <https://www.naukri.com/code360/profile/JATINSAREEN>
- Other - <https://www.geeksforgeeks.org/user/sareenjatin002/>
- Other - <https://www.hackerrank.com/profile/sareenjatin002>

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** 8/154, Shanti Kunj, FF-2, Sector-3, Rajender Nagar, Sahibabad, Ghaziabad, Uttar Pradesh, India - 201005

**Email:** sareenjatin002@gmail.com

**Date of Birth:** 12 May, 2002

**Known Languages:** English Hindi

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