**Sohail Kasmani**

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# EDUCATION

**Vishwakarma Institute of Technology – Pune, India** *Sep 2020 – May 2024*

Bachelor of Technology (B. Tech.), Computer Engineering

**Coursework**: Data Structures and Algorithms, OOP, Data Science, ML, DBMS. ***CGPA: 8.74***

**HSC** *Aug 2018 – Jun 2020* Aggregate Percentage*:*91.08

**SSC** Aggregate Percentage*:*90.40

# EXPERIENCE

## SOFTWARE ENGINEER INTERN – JPMorgan Chase & Co -*Core Java* 05 jun’23 - 28 july’23

* Implemented an automated solution encompassing a spectrum of commands, streamlining processes and enhancing operational efficiency. This comprehensive automation initiative has resulted in increased productivity, reduced manual intervention, and optimized resource utilization
* identified and remediated several bugs within the pre-existing command structure

# PROJECTS

## WASTE CLASSIFICATION USING ML - *Domain: Machine Learning*

* Designed and implemented ML model for waste classification using CNN and SVM Algorithm.
* Analyzed various preprocessing and feature extraction processes.
* Classified waste into 6 classes using CNN (85% Accuracy) and 2 classes (Organic and Recyclable) using SVM (95% Accuracy and 94% precision)

## PATH FINDING ALGORITHM VISUALIZER - *Domain: Graph Data Structure*

* Developed a GUI based visualization of A\* Path Finding Algorithm with the help of priority queue data structure.
* Assessed the difference between A\* and Dijkstra’s Path Finding Algorithm.

# PROFILES

## Guardian on LeetCode (*Rating- 2193, 900+ questions solved)* [Link](https://leetcode.com/sohailkasmani007/)

## 4\* on Code Chef (*Rating- 1920*) [Link](https://www.codechef.com/users/sohailkasmani0)

## Codeforces (*Expert- 1610*) [Link](https://codeforces.com/profile/Sohail_Kasmani)

# TECHNICAL SKILLS

Data Structures and Algorithms, Neural Networks, Data Science, Web Development, Supervised Machine Learning.

**Languages:** C++, Python, C, Java, R

**Web:** HTML, CSS, Django

**Version Control:** Git, GitHub

# ACHIEVEMENTS

* **SECURED AIR 963 IN IICC (Innovate India Coding Championship 2022) BY AICTE OUT OF 90K**
* **Secured Global Rank 267 in Leetcode Biweekly Contest 105**
* **AMONGST TOP 10 IN THE CODING CONTEST HELD BY DY PATIL COLLEGE OF ENGINEERING.**