** SIDDHESH KARANDE**

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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: 8.88***

**HSC** *Aug 2018 – Jun 2020* Aggregate Percentage*:*85.69

**SSC** *Aug 2017 – Jun 2018* Aggregate Percentage*:*92.80

# EXPERIENCE

## SOFTWARE ENGINEER INTERN – BARCLAYS -*keywords: WPF, SonarQube, C#, .Net, Unit Testing* 12 jun’23-4 Aug’23

* Strengthened security of WPF application by identifying and rectifying SQL vulnerabilities through code review, parameterized queries, and best coding practices in C# and .NET framework with SonarQube tool.
* Streamlined application logic, minimizing cognitive complexity for end-users, and improving overall user experience and implemented comprehensive unit testing protocols
* Developed Automation Tool to reduce time and efforts

## MENTEE - MICROSOFT ENGAGE’22 - *Domain: Machine Learning, Web Development*

* Designed and built end-to-end ML project for Places Recommendation and Restaurant searches
* Implemented Recommendation system using KNN Machine Learning Algorithm and cosine similarity matrix to find similarities between the places that are present in the database
* Developed Web Application with Django and made call to API developed in Flask for a recommendation of places

# 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

## 4\* on CodeChef (*Rating- 1879*) [Link](https://www.codechef.com/users/sid1017)

## Codeforces (*Pupil- 1318*) [Link](https://codeforces.com/profile/pro_master)

## LeetCode (*Rating- 1768, 500+ questions solved)* [Link](https://leetcode.com/sk_leetc/)

# TECHNICAL SKILLS

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

* **Languages:** C++, Python, C, Java, R
* **Web:** HTML, CSS, Django
* **Version Control:** Git, GitHub

# CERTIFICATION

## Google Kickstart [Link](https://codingcompetitions.withgoogle.com/kickstart/certificate/summary/00000000008caba4)

## Nvidia – Fundamentals of Deep Learning [Link](https://courses.nvidia.com/certificates/54035ef8e13f4e18a427df36b44279c0)

## IBM – Data Science [Link](https://www.credly.com/badges/fa3d23a2-2a01-4167-a2ca-4b33b4ba0b60)

# ACHIEVEMENTS

* **SECURED AIR 163 IN IICC (Innovate India Coding Championship 2022) BY AICTE OUT OF 90K**
* **SECURED RANK 597 ON CODECHEF (DIV 2) AMONG 14957 PARTICIPANTS**
* **AMONGST TOP 7 IN THE CODING CONTEST HELD BY DY PATIL COLLEGE OF ENGINEERING.**