SIDDHESH KARANDE

+91-8624818366 | siddheshkarande1017@gmail.com | LinkedIn | GitHub

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: 8.75

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

- **Knight on LeetCode (*Rating- 1858, 600+ questions solved*)**   **Link**
- **4* on CodeChef (*Rating- 1879*)**   **Link**
- **Codeforces (*Pupil- 1318*)**   **Link**

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**
- **Nvidia – Fundamentals of Deep Learning**   **Link**
- **IBM – Data Science**   **Link**

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.**