**Navnath Kate**

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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: 8.54***

**HSC** *Aug 2018 – Jun 2020* Aggregate Percentage*:*79.06

**SSC** *Aug 2017 – Jun 2018* Aggregate Percentage*:*94.40

# EXPERIENCE

## SOFTWARE ENGINEER INTERN – UBS -*keywords: Selenium, Junit.* 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

# 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- 1888, 300+ questions solved)*

## 4\* on CodeChef (*Rating- 1806*)

## Codeforces (*Pupil- 1399*)

# 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

## Nvidia – Fundamentals of Deep Learning

## IBM – Data Science

# ACHIEVEMENTS

* **SECURED RANK 597 ON CODECHEF (DIV 2) AMONG 14957 PARTICIPANTS**
* **AMONGST TOP 11 IN THE CODING CONTEST HELD BY DY PATIL COLLEGE OF ENGINEERING.**