Amit Dilip Jaiswal

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Education

IIT BHU (Varanasi)   **July 2019 – June 2023**
Bachelor of Technology in C.E (CPI: 8.68/10)   *Varanasi, UP*

Technical Skills

Languages: C/C++, Python, Java, JavaScript, SQL, Shell
Web Development: HTML5, CSS3, Bootstrap, ReactJs, NodeJs
Core Subjects: Operating System, Computer Networking, DBMS, OOPs
Developer Tools & Technologies: Git & GitHub, VS Code, Overleaf

Experience

VINAYAK REAL ESTATE PROPERTY HUB   **May 2022 – July 2022**
Python Developer

- Collaboration with Data Management Teams. Created a Python software utilising Open CV and Python libraries.
- Using pyautogui, a webbrowser, and more libraries, automate the sending of Whatsapp messages in bulk.
- Using Click to Chat feature (**https://wa.me/<number>**). It 10X improves Work's effectiveness and performance.
- **Exposures:** Python, Jupyter-lab, Numpy, Pandas, PyAutoGui, webbrowser, etc.

Projects

Path - Finding Visualizer | GitHub | *BFS, Dijkstra's, A* Search algorithm, HTML, CSS, Javascript*   **Dec 2021**

- Developed a Pathfinding Visualizer that gives the visual representation of the shortest path from source to destination with some obstacles in a grid using multiple shortest path algorithms.
- Provided users the interface through which they can visualize the shortest path from source to destination through Breadth - First Search, Dijkstra's and A* Search Algorithms which are implemented in Javascript.

Face Mask Detection Alert System | GitHub | *Python, Jupyter-lab, OpenCV, Support Vector Machine*   **Dec 2022**

- Explored haarcascade frontalface dataset to detect front face. Collected my own face data with and without mask using camera and stored both datasets using OpenCV.
- Included a Beep alert which will be generated until mask is put on.Applied Machine Learning model i.e Support Vector Machine and achieved an accuracy of 98 % on live data.

Huffman Compression Algorithm | GitHub | *C++, Data Structure and Algorithms, OOPs, STL*   **June 2021**

- Huffman coding is a lossless data compression algorithm. Engineered encode to decode and vice versa.
- It follows **Optimal-merge Pattern**, learned various data structure like map, priority queue, classes, greedy algorithm.

Honours And Achievements

Competitive Programming

- Solved over **900 problems** on online Competitive Programming Plateforms like Codeforces, geekforgeeks & Leetcode.
- **Codeforces | Max Rating :** Profile.
- Rank of 2883 in Google Kick Start Round E, 2021. 1119809 points in Google Hash Code 2022. | Certificates.

Extra-Currilar Activities

- Worked on DrumSpinning Robot in "ROBOWAR" event organized by Technex, **IIT (BHU)**.
- Participated in the HYDRAC'S event organized by Technex, IIT (BHU).
- AOSP/Android Custom Rom/Android Rooting Enthusiast.