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++, Python, Java, SQL
Web Development: MERN Stack
Core Subjects: Operating System, Computer Networking, DBMS, OOPs
Developer Tools & Technologies: OpenAI API, GPT, Git & GitHub, Git Action, AWS, Shell Scripting

Experience

MUSHIN INNOVATION LABS — July 2023

Full Stack Developer

- Developed a dynamically **Complex Excel Table Upload** feature for a React web application, enhancing data management and user interactivity.
- Implemented an **Excel Download** feature for a React-based data visualization tool, enabling users to export complex tabular data for offline analysis.
- Developed **Inventory Finding UI** feature in a React application, enhancing the user experience for locating and managing inventory items efficiently.
- Made a comprehensive **Help Desk module** within a React-based web application, enhancing user support functionalities and streamlining issue resolution.
- Designed and implemented an **automated messaging system**, facilitating seamless communication between **MongoDB and WhatsApp** groups/numbers, enhancing real-time information dissemination.
- Implemented a robust **CI/CD pipeline** using **GitHub Actions** to automate the build and deployment processes for a React-Web application, resulting in improved development efficiency and release reliability.
- Integrated the **OpenAI Fine-Tuning Model** into a React-based web application, enhancing data extraction capabilities and providing users with a seamless text input analysis feature.
- **Exposures:** MERN, Python, bash shell, AWS, Linux, GPT, OpenAI API, etc

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.

Honours And Achievements

Competitive Programming

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

Extra-Curricular Activities

- Passionate hobbyist in building and customizing remote-controlled (RC) drones, cars, and boats.
- AOSP/Android Custom Rom/Android Rooting Enthusiast.