

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: OS, Computer Networking, DBMS, OOPs.

Developer Tools & Technologies: OpenAI API, GPT, Git & GitHub, Git Action, AWS, Shell Scripting.

Experience

MUSHIN INNOVATION LABS

July 2023 – Present

Full Stack Developer

- Developed a dynamically **Complex Excel Table Data Upload** feature using **Python** for a React web application, enhancing data management and user interactivity.
- Implemented an **Excel Download** feature using **Python** for a React-based data visualization tool, enabling users to export complex tabular data for offline analysis.
- Implemented a feature using **Puppeteer, pdf-lib, and a headless browser** to convert **HTML tables into downloadable PDFs**. Ensured accurate rendering of complex table structures while **preserving formatting and styling**.
- 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 Platforms 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.