

# VAIBHAV KUMAR

G-119 , Badarpur , New Delhi 110044

☎ +919717692100

✉ [vaibhavkumar11.mail@gmail.com](mailto:vaibhavkumar11.mail@gmail.com)

🌐 [linkedin.com/in/username](https://www.linkedin.com/in/username)

🐙 [github.com/username](https://github.com/username)

## Education

### Maharaja Agrasen Institute of Technology

Sep. 2021 – Aug 2025

*Bachelor of Technology in Artificial Intelligence and Machine Learning*

*CGPA 8.303*

## Relevant Coursework

- |                                  |                        |                           |                         |
|----------------------------------|------------------------|---------------------------|-------------------------|
| • Data Structures and Algorithms | • Software Methodology | • Artificial Intelligence | • Deep learning         |
|                                  | • Algorithms Analysis  | • Internet Technology     | • Computer Architecture |
|                                  | • Database Management  | • Machine Learning and    |                         |

## Experience

### IBM SkillBuild

25 June – 5 Aug 2024

*Data Analyst*

- Developed a Crop Yield Analysis project using machine learning to predict yields based on weather, soil, and practices, with data handling and model evaluation in Power BI and SQL. .
- Created a website for users to input values and view predictions, incorporating data preprocessing, model training, and validation to optimize agricultural productivity.

### Smart Bridge

15 April – 25 July 2024

*Business Analyst*

- Conducted a comprehensive analysis of supply chain data using the "DataCo SMART SUPPLY CHAIN FOR BIG DATA ANALYSIS" dataset to uncover actionable insights and optimize operations.
- Utilized Qlik Sense for data integration, visualization, and interactive dashboard creation, enabling dynamic exploration of key metrics and trends .
- Developed various visualizations, including pie charts, bar charts, and scatter plots, to highlight distribution, customer segments, and performance metrics .
- Implemented performance testing and data filtering techniques to ensure efficient data handling and targeted analysis, enhancing decision-making capabilities .

## Projects

### Criminal Detection |

- Developed using tkinter, featuring a multi-page interface for user interaction. Integrated PIL for image handling and cv2 for image processing.
- Enabled users to upload images and input details for criminals. Data is organized and saved using directory structures for easy retrieval. .
- Utilized cv2 for real-time face detection and recognition, comparing detected faces against a database of registered profiles for accurate identification.
- Captured and processed video from files or webcams, performing live face detection and recognition. Results are recorded and saved in a CSV format for analysis. .

## Publications

### Criminal Detection |

- \* Research paper selected in international conference on Artificial Intelligence. Theory and Applications organized by ICFAI Business School Bangalore, Off-Campus Centre of ICFAI Foundation for Higher Education (IFHE) University , India during August 11-12, 2023..

## Technical Skills

**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL , C++

**Frameworks and Libraries:** Tensorflow , Keras , PyTorch , Scikit-Learn , pandas , matplotlib , Numpy , FaceRecognition

**Technologies/Frameworks:** Jupyter Notebook, Google Collab, Git, Vs Code, Google Cloud Platform, IOT, Power Bi , AWS, Cloud Computing, Docker and Kubernetes

## Leadership / Extracurricular

Organizing a Event in College "Pitch Your Idea".

Coordinator In the Delhi Management Association Event

Society Member in Alumni Cell