Vardaan Bajaj

(+91) 6005274959 vardaan22102@iiitnr.edu.in Vardaan Bajaj Grind-VB

Education

- **IIIT Naya Raipur** *Nov. 2022 – Aug 2026*
  B.Tech in Data Science and Artificial Intelligence *CGPA: 7.28*

Related Coursework

• Deep Learning • Computer Vision • Natural language processing • Reinforcement Learning • Time series analysis • Data Mining • Calculus • Linear Algebra

Experience

- **Mahyco / Web-Dev Intern** *Aug 2024 – Dec 2024*
  Developed a robust model for crop yield estimation using aerial drone imagery, leveraging advanced computer vision techniques to overcome challenges posed by occlusions and visual obstructions. This approach contributed to enhancing precision agriculture practices and informed data-driven decision-making for effective resource management.

Projects

Hostel Management Website

- Designed a mongodb based backend database for seamless and efficient data collection and storage.
- Developend a refined and visually appealing frontend using react.
- And optimized the whole program using node.

Crop detection App

- Engineered a high-peformance and efficient crop detection app using yolo.
- Implemented image cropper function based on user discretion.

OOPS Based Web-Page Linker

- Engineered a high performance based and efficient web page linker using OPPS functionalities.
- Utilized api calling to make use of different websites using one application.
- Utilized advanced python libraries like Scipy for seamless functionality and user experience.

Publications

- **An Enhanced Object-Oriented Programming-Based Web Page Linker** IEEE IATMSI 2024

Technical Skills

Languages: Python, C/C++ SQL, JavaScript
Frameworks/Libraries: TensorFlow, PyTorch, Keras, OpenCV, NLTK, Power BI, MongoDb, React, Flask, FastAPI
Machine Learning & Data Science: Computer Vision, NLP, Reinforcement Learning, Data Processing and Pre-processing
Developer Tools: VS Code, Google Colab, Jupyter, LaTeX, Anaconda, Git/GitHub