

# PIYUSH KUMAR RATH

VIT Bhopal University, Sehore, Bhopal  
[rathpiyush021@gmail.com](mailto:rathpiyush021@gmail.com)  
[www.linkedin.com/in/piyush-kumar-rath](https://www.linkedin.com/in/piyush-kumar-rath)

---

## SUMMARY

Aspiring Data Scientist and AI/ML enthusiast with foundational knowledge in Python, machine learning algorithms, and data analysis. Seeking internship opportunities to apply theoretical knowledge, build hands-on experience, and contribute to innovative projects in data science and AI/ML.

---

## WORK EXPERIENCE

### Plant Disease Recognition System

Mar 2023 - Dec 2023

- Built a CNN model using TensorFlow and Keras to identify plant diseases from images.
- Collected and preprocessed a dataset of plant leaf images, applying image augmentation for better model performance.
- Achieved 92% accuracy on test data.
- Tools: Python, TensorFlow, OpenCV, Scikit-learn, Jupyter Notebook.

### Sign Language Recognition System

Mar 2024 - Present

- Developed a CNN-based model to recognize sign language gestures from images.
  - Collected and preprocessed hand gesture images, enhancing the dataset with image augmentation.
  - Achieved 95% accuracy on test data.
  - Tools: Python, TensorFlow, OpenCV, Keras, Jupyter Notebook.
- 

## EDUCATION

### Vagdevi Vilas School, Varthur

July 2020

Class I - Class X  
Percentage - 93%

### Delhi Public School Bengaluru East

July 2022

Class XI & Class XII  
Percentage - 77%

### VIT Bhopal University

Nov 2022 - Jun 2026

B.Tech in Computer Science(Specialization In Artificial Intelligence and Machine Learning)  
CGPA(Current) - 8.51

---

## ADDITIONAL INFORMATION

- **Technical Skills:** Python, C++, Java, HTML, CSS, DSA, GIT, GITHUB, API
- **Languages:** English, Hindi
- **Certifications:** Applied Machine Learning In Python(University of Michigan),NPTEL- Privacy and Security in Online Social Media, VITyarthi Python Essentials, IBM – Fundamentals, IBM – Developer
- **Extra-Curricular:** Core Member at LinkPack Club