

PROFESSIONAL SUMMARY

Motivated and detail-oriented Machine Learning and Deep Learning Engineer with strong foundations in Python, data preprocessing, and model development. Experienced in building and deploying intelligent systems using ML/DL frameworks, and integrating models into web-based applications. Passionate about applying AI to real-world problems and continuously learning new technologies.

EDUCATION

ALIGARH COLLEGE OF ENGINEERING & TECHNOLOGY	Aligarh, UP
Bachelor of Technology in Computer Science & Engineering	2021 – 2025

SKILLS SUMMARY

- **Languages:** Python, Java, C, C++, C#, R
- **Machine Learning:** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn,XGBoost,Scipy
- **Deep Learning:** ANNs,CNNs,RNNs,Transformers,TensorFlow, Keras, PyTorch
- **Computer Vision:** OpenCV, Pillow
- **Web Technology:** HTML, CSS, JavaScript, Django, Flask, Bootstrap, PHP, WordPress
- **Databases:** MySQL, MongoDB,SQLite
- **Tools:** Git, Jupyter NoteBook, Google Colab, Visual Studio,PyCharm

INTERNSHIPS

- **Machine Learning & Deep Learning Intern - Pantech Solutions** May 2025
  - Implemented ML/DL models using Python libraries such as Scikit-learn, TensorFlow, and Keras.
  - Conducted data preprocessing, feature selection, and model evaluation techniques.
  - Worked on capstone projects such as image classification and predictive analytics.
- **Python Programming Intern - Skill Void & Pantech Solutions** April 2023
  - Developed Python-based applications and scripts for automation and data processing.
  - Gained hands-on experience with core programming concepts including OOP, file handling, and exception management.
  - Worked on mini-projects to apply Python in real-world scenarios.
- **Web Development Intern - CETPA Infotech Pvt. Ltd.** March 2022
  - Built responsive web pages using HTML, CSS, JavaScript, and Bootstrap.
  - Worked on frontend-backend integration using PHP/MySQL or similar technologies.
  - Collaborated in a team to design and implement a mini web project.

## PROJECTS

### ❖ Eagle Insight: Vehicle Number Plate Detection and Stolen Alert System

January 2025 – April 2025

Technologies: Python, Django, OpenCV, OCR, Computer Vision

- Developed a smart surveillance system that detects vehicle number plates as images using OpenCV and converts them to text using OCR technology.
- Integrated a stolen vehicle database to generate real-time alerts.
- Deployed using Django for user interaction and data flow management.

### ❖ First Aid: Disease Prediction Using Symptoms - <https://first-aid-wqvr.onrender.com/>

November 24 – December 24

Technologies: Python, Machine Learning, Pandas, Scikit-learn

- Developed a health assistant that predicts diseases from user-input symptoms.
- Trained ML model using labeled symptom-disease dataset to suggest diagnosis and aid.

### ❖ AcademicPluss – academicpluss.com

November 2023 – February 2024

Technologies: PHP, HTML, CSS, JavaScript, MySQL, Bootstrap

- Designed a platform to allow students to post and receive academic help in image/text format.

### ❖ MBD Filling Station Website – dheeru42.github.io/MBDfilling

November 2022 – January 2023

Technologies: HTML, CSS, JavaScript, Bootstrap

- Created a responsive service showcase for a fuel station using modern frontend tools.

---

## RESEARCH & PUBLICATIONS

### “Eagle Insight: Vehicle Number Plate Detection & Stolen Vehicle Alert System”

April 2025

Published in: IJERMCA, Volume 14, Issue 4, April 2025

ISSN: 2319-7471 | Impact Factor: 8.285

- Focused on real-time ANPR and surveillance using OCR and ML techniques.

Link: [https://www.erpublications.com/uploaded\\_files/download/mr-rohit-yadav-dheeraj-varshney-abhay-kumar-giri-jayant-varshney\\_UWUce.pdf](https://www.erpublications.com/uploaded_files/download/mr-rohit-yadav-dheeraj-varshney-abhay-kumar-giri-jayant-varshney_UWUce.pdf)

---

## CERTIFICATES

### ➤ Python Programming - Great Learning & Skill Void

April 2023

- Completed comprehensive training covering Python fundamentals, object-oriented programming, data structures, and scripting.
- Applied knowledge through hands-on exercises and real-world coding tasks.

### ➤ Full Stack Web Development - CETPA Infotech Pvt. Ltd.

March 2022

- Gained practical experience in both frontend and backend technologies including HTML, CSS, JavaScript, Bootstrap, Django, and databases.
- Developed a complete web application from scratch as part of the course project.

### ➤ Artificial Intelligence with AI Tools

November 2023

- Demonstrated the ability to build and deploy AI-powered applications.
-