ROHAN UPLENCHWAR

BTech Undergraduate (CS-AIML)

Passionate about problem-solving and continuous learning in AI, ML, Data Science, and Blockchain Technology. Collaborates effectively in a team with effective communication skills. Excited to apply knowledge to real-world projects and gain hands-on experience.

✉ ruplenchwar2005@gmail.com

📞 +91 9511856758

📍 Pune,Maharashtra

EDUCATION

Vishwakarma Institute of Technology
2023-2027
CGPA - 8.42 (current)

Decent Junior College, Nagpur Dist.Nagpur
Maharastra State Board - 60.0%

Gurukul English Medium School, Pandharkawada, Dist.Yavatmal
CBSE Board - 88%

SKILLS HIGHLIGHTS

- C
- PYTHON PANDAS
- JAVA
- Data Structures and algorithms
- Dart language and flutter
- MySQL
- OS
- Machine Learning
- UI/UX

SOFT SKILLS

- Teamwork
- Multitasking
- Project planning and coordination
- Good communication skills
- Advanced critical thinking

PROJECTS

- **No Helmet Detection, Signal Violation & Triple-Seat Rider Detection**
  - Built a YOLOv8-based real-time traffic monitoring system for detecting helmet violations, signal jumping, and triple-seat riding.
  - Automated challan issuance using OCR-based number plate recognition, integrated with WhatsApp/SMS notifications and a QR-based payment system.
- **Multi-Disease Prediction Using Different Algorithms**
  - Built a hybrid machine learning model using CNN, EfficientNet, and ResNet to classify pneumonia, lung cancer, breast cancer, and brain tumors.
  - Designed a user-friendly interface for medical professionals to upload scans and receive disease predictions with high accuracy.
- **Predictive Machine Maintenance**
  - Designed an SVM-based predictive maintenance system to estimate Remaining Useful Life (RUL) of industrial machines.
  - Integrated SHAP analysis to identify critical sensor data contributing to machine failures, improving maintenance scheduling.

ACCOMPLISHMENTS

- **QUARK**
  Flutter Coordinator
  PR and Operation Coordinator

LANGUAGES

- Marathi
- English
- Hindi
- Telugu