HIMANI ZAMBARE

📞 +91 8956193620 ✉ himanizambare3@gmail.com 🔗 LinkedIn ⭘ Github

Education

VIT Bhopal University, Bhopal	2022 - 2026
majors-B.Tech in Computer Science & Engineering	*8.83/10 CGPA*
Godavari Foundation (CBSE) Jalgoan, Maharashtra	2014 - 2022
Intermediate XII (secondary)	*75%*
HighSchool X (secondary)	*82.2%*

Technical Skills

Programming Languages: Java (DSA), Python
Web Technologies: HTML, CSS, JavaScript, Tailwind, React.js, Next.js (Beginner)
Backend: Node.js, MySQL, MongoDB
Machine Learning : Scikit-learn, TensorFlow, Scikit-learn, keras, Streamlit.
Tools:Git, Docker, Kubernetes.

Projects

Number Plate Recognition Code   Link
- Developed an Automatic Number Plate Recognition (ANPR) system using Python, OpenCV, and Tesseract OCR to detect and extract vehicle number plates from images.
- Implemented image preprocessing techniques (grayscale conversion, noise reduction, thresholding) to enhance OCR accuracy.
- Designed a user-friendly GUI with Tkinter for seamless interaction with the ANPR system.

Twitter Hashtag Prediction (ongoing)
- Developed a machine learning model to predict hashtags from weather-related tweets, utilizing an Encoder-Decoder architecture with LSTM networks and Attention Mechanism.
- Implemented Natural Language Processing (NLP) techniques to categorize tweet components into "Sentiments," "When," and "Kind" categories, enhancing the model's contextual understanding.
- Achieved an accuracy of 95.49%, demonstrating the model's e ectiveness in accurately predicting relevant hashtags for given tweets.

Geo-India: Geospatial Guessing Game   Link
- Led a team of 4 in developing a geospatial guessing game for the Space India Hackathon, aiming to create an engaging and educational experience.
- Developed and maintained the backend infrastructure using Firebase, ensuring reliable data storage and real-time updates.
- Integrated Google Maps SDK for interactive map features, providing users with an intuitive interface for exploring geospatial data.

Experience

- **Ongoing Internship**: Student Internship Program (SIP) with MP Police.
- Engaged in visits to Dial 100 and various police stations to understand real-time operations.
- Provided improvement suggestions for the MP Police website.
- Conducting data analysis on survey data to aid in community-focused enhancements.

Certifications and Achievements

- **Research Paper Presentation at ICET-24** :- Presented a research paper titled "Designing A VPN Using Open Network Infrastructure With Enhanced Security And Performance" at the International Conference on Engineering and Technology, Chandigarh, India, on June 16, 2024.
- **Geodata Processing using Python** :- Completed an online course on "Geodata Processing using Python" conducted by ISRO from 15th to 19th January 2024 (total duration: 7 hours 30 minutes) at the IIRS Nodal Centre, VIT Bhopal University, with 100 percente attendance.
- **Foundations of Cyber Physical Systems** – *IIT Kharagpur* :- Certified by IIT Kharagpur among 352 candidates, scoring 53% in one of the most challenging exams in the field.
- **Postman Student Expert** – *postman* :- Certified as a Postman Student Expert, demonstrating proficiency in API testing and development.
- **Google Cloud Skill Badges**–*Google Cloud* :- Earned multiple skill badges for cloud technology expertise.
- **Machine Learning**–*Coursera* :- Completed the Machine Learning Specialization by DeepLearning.AI and Stanford Online with practical applications in Python.