Mayur Jadhav

B.Tech- CSE- (AI&DS)

Contact

917780155277

Jadhav.Mayur_2025@woxsen.edu.in

Hyderabad, Telangana| India

Linkedin

Github

Academics

Woxsen University | Hyderabad

2021 - 2025 |**Bachelor of Technology - 2.7/4.0**

Aditya Junior College | Amalapuram, Andhra Pradesh

2018 - 2021 |Intermediate **- 89.3%**

Mother Teresa High School | Amalapuram, Andhra Pradesh

2009 - 2018 | Schooling **- 98%**

Skills

- Programming Languages: Python, Java
- Data Analysis & Visualization
- Machine Learning & Deep Learning
- Computer Vision
- Database Management
- Neural Networks
- Data Structures & Algorithms
- Natural Language Processing (NLP)

Tools

- SQL & MongoDB
- Machine Learning Libraries
- Cloud Platforms (e.g., AWS for database integration)

Languages

- English - Fluent
- Telugu - Fluent
- Hindi. - Fluent
- Marathi - Fluent

Professional Skills

- Flexible
- Planning and Coordination
- Teamwork and Collaboration

Objective

Proactive, resourceful professional, and talented for finding creative solutions to problems and simplifying work. thrives in hectic settings, accurately juggling several priorities while maintaining a cooperative attitude. devoted to maintaining growth and surpassing group goals by using innovative and strategic problem-solving techniques

Internship

Research Intern

Feb 2024 - June 2024 | Center for Human Security Studies (CHSS), Hyderabad

- Developed an "Ambulance Detection in Heavy Traffic" project for Telangana State Police Integrated Command and Control Centre.
- Conducted field research with Cyberabad Traffic Police to gather insights on traffic management challenges.
- Built strong client relationships to ensure alignment with TSPICCC's needs and objectives.

Projects

Time-Constrained License Plate Recognition (LPR) System Project. - August - November 2024

- Developed a real-time LPR system using YOLOv5s and EasyOCR, achieving 92% mAP for license plate detection on live campus videos from Woxsen University.
- Processed 151 HD videos, optimizing time efficiency with frame extraction and OpenCV for plate isolation.
- Built a Tkinter interface for video uploads and automated Excel logging of recognized plates.

Limited Training Approach To Model Latent Fingerprint Data for Time-Constrained Solutions. - January - April 2024

- Developed an end-to-end latent fingerprint recognition system using one-shot and few-shot learning with a DenseNet121-based prototypical network.
- Achieved 91.66% test accuracy, 93.32% F1 score, and 93.93% precision on the IIIT-D latent fingerprint dataset.
- Optimized for accurate recognition with limited data, demonstrating real-world effectiveness.

Medicine Management System — AWS, Web Development, Cloud Database Integration. - February - April 2024

- Built an end-to-end medicine management system for the university, using AWS for secure, scalable cloud storage.
- Developed a user-friendly web app to manage medical records, integrating seamlessly with existing university infrastructure.
- Optimized for reliability and scalability to support university healthcare needs.

NLP Module Development — Python, T5, BART, Transformer Architectures - October - November 2023

- Developed an advanced NLP module using fine-tuned T5 and BART models for tasks like summarization, translation, and sentiment analysis.
- Leveraged Python and transformer architectures to enhance NLP capabilities and optimize LLM performance.

Certifications

- |2023-03|Introduction to Artificial Intelligence - Coursera
- |2023-05|Data Analysis with Python - Coursera
- |2023-06|Introduction to C# Programming and Unity - Coursera
- |2023-06|Data Visualization with Python - Coursera
- |2023-10|Python Programming Essentials - Coursera

Publishment

- **Patent Work :** AI-Driven Real-Time Sentiment Analysis System

Designed a system combining real-time sentiment analysis, predictive modelling, and automated trading for stock markets. Utilized NLP, blockchain for data security, and federated learning to ensure privacy and adaptability.