

NAMOKAR JAIN

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Technical Skills

Languages and DataBases: Python, Pandas, Numpy, SQL, MySQL, C++

Other Skills: Web Development, Data Analysis, Machine Learning

Projects

Driver Drowsiness Detection System

Machine Learning

- Implemented an advanced LSTM-AE model for real-time detection of drowsiness among the drivers while driving that cut manual monitoring time by 10 hours weekly and enhanced accuracy rates beyond 95%, streamlining operational efficiency within the team.
- Developed and deployed a deep learning model using LSTM-AE for real-time drowsiness detection, cutting manual monitoring by 10 hours per week and enhancing detection accuracy.
- Led a cross-functional team of four to improve predictive accuracy by 30%, streamlining the model's deployment and reducing analysis time from weeks to days, enhancing decision-making efficiency.
- Designed and deployed a high-accuracy driver drowsiness detection model, achieving 95% accuracy with false positives below 3% during rigorous testing.

Agro Shield: An efficient crop disease detection system

Machine Learning

- Implemented a comprehensive evaluation strategy for machine learning models, improving disease classification efficiency by 40% and boosting diagnostic accuracy.
- Collaborated closely with team members averaging two years' experience each; collectively achieved higher diagnostic outcomes through iterative testing cycles yielding over 500 unique evaluations for optimum model.

Compiled and structured key sections of a research paper, conducting a thorough review of 20+ studies and documenting it in a structured manner. Identified critical insights on 8–10 crop diseases, enriching the analysis and reinforcing the study's conclusions.

Awards & Achievements

Sports

- Secured 2nd place in the college volleyball championship by orchestrating team strategy, enhancing on-court communication, and executing high-pressure plays, contributing to a 20% improvement in match consistency and overall team performance.
- Executed a rigorous Badminton training regimen, dedicating 14 hours per week to skill enhancement and endurance building, resulting in improved match performance and securing a spot in the district-level competition.

Technical Certifications

- Completed the Stockpe Course on Stock Market, analyzing real-world case studies to identify three key factors influencing trading success while developing research skills essential for effective portfolio management.
- Earned a Coursera Certification in Computer Networking by mastering network protocols, infrastructure management, and advanced connectivity solutions through hands-on projects and in-depth coursework.
- Attained Silver + Elite certification from NPTEL in Cloud Computing by executing a comprehensive study plan that involved 200+ hours of coursework and hands-on projects, enhancing technical proficiency in cloud technologies.

VII BioEngineering Conference (BEC) 2024, NIT Rourkela.

- Certificate of Participation for presenting research and shared insights on advanced crop disease detection techniques on “Agro Shield: An Efficient Crop Disease Detection System”.

Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

Aug 2022 – May 2026

Sehore, Madhya Pradesh