Suraj Kumar Yadav

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LinkedIn | GitHub

WORK EXPERIENCE

ORM Intern   June 2023 - July 2023
VleBazaar.in | Virtual Internship

- Collaborated with the Online Reputation Management (ORM) team to enhance and maintain the digital presence of VleBazaar.
- Acquired expertise in ORM strategies, fostered teamwork and contribution to content creation through insightful reviews, engaging articles and regular blogging activities.

PROJECTS

MeDiCT   Preview   GitHub

- Developed and implemented MeDiCT, a medical diagnosis application utilizing computer vision to diagnose lung cancer, kidney cancer, and brain tumors from medical images.
- Engineered a user-friendly web interface powered by Streamlit, enabling seamless image upload, cancer type selection, and display of diagnostic results.
- Utilized pre-trained deep learning models including VGG16 architecture for accurate predictions and classifications.
- Contributed to the project by implementing image preprocessing techniques such as rescaling, resizing, and data augmentation to enhance model performance and accuracy.

SSV   Preview   GitHub

- Developed the 'Sorting and Searching Visualizer', an innovative web application that demonstrates complex algorithms through interactive visualizations time complexity derivation.
- Engineered the project using React, optimizing for scalability and performance with its component-based architecture.
- Implemented core functionalities in JavaScript, enabling real-time user interactions and streamlining the learning experience for algorithmic concepts.

Human Count-Based Traffic Control System   Report   GitHub

- Pioneered a Human Count-Based Traffic Control System using IoT to optimize traffic signal timings based on real-time pedestrian counts.
- Integrated machine learning algorithms with Arduino microcontrollers and cameras for accurate traffic analysis.
- Programmed and tested the system to improve urban traffic flow.

CERTIFICATIONS

AWS Academy Introduction to Cloud Semester 1   View Credentials

EDUCATION

Bachelor of Technology (CSE)   Ongoing | Expected Graduation MAY 2025
Kalinga Institute of Industrial Technology, Odisha, India   CGPA: 8.26

SKILLS

Programming Languages: C | C++ | Java | Python | JavaScript
Web Technologies: ReactJS | Express.js | NodeJS | HTML | CSS
Database Management: SQL | MongoDB
Machine Learning: TensorFlow | Scikit-Learn | Keras | CV2
Networking and Scripting: Computer Network | Shell Scripting
Software Development: Web Development | Data Structures and Algorithms
Soft Skills: Communication | Teamwork | Problem-Solving | Leadership | Time Management