TUSHAR U

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🌐 https://github.com/TusharURao

OBJECTIVE

Passionate and adaptable Information Science student with a strong foundation in machine learning, Python, Java, and React JS. Seeking an opportunity to apply and further develop my technical skills, aiming to contribute effectively to innovative projects and drive sustainable solutions in a dynamic engineering environment while continuously learning and growing professionally.

EDUCATION

Sahyadri College Of Engineering And Management

Currently pursuing Bachelor's Degree in ISE (IV year)
8.5 CGPA

Government Pre-University College, Sagar

Class XII | 83.33%
2021

Sri Ramakrishna Vidyalaya, Sagar

Class X 92.32%
2019

SKILLS

- **Programming Languages:** Java, Python , C, C++
- **Web Technologies:** HTML, CSS, JavaScript
- **Database Management:** MySQL, SQLWorkbench,
- **Development Tools & Environments:** VS Code, , Google colab, NetBeans, Eclipse Enterprise IDE
- **Machine Learning & Data Science:** OpenCV, SVM, RNN
- **Software Development Methodologies:** Object-Oriented Programming (OOPs), Data Structures
- **Operating Systems:** Windows, Linux, and Unix
- **Soft Skills:** Collaborative, Persuasive, Meticulous, Resourceful, Prompt, Swift grasper, Visionary

CERTIFICATES

- Microsoft Azure AI Fundamentals Document Intelligence
- Microsoft Azure Fundamentals- Natural Language processing
- IKS Division Intern (stipend)
- TCE Internship (Basics of Cybersecurity)

PARTICIPATIONS

- Participated in Hackathons conducted by many institutions.
- II rank in Vidwat exam (Bharatanatyam)-2022

HOBBIES & INTERESTS

- Classical dancer (Bharatanatyam, Mohiniyattam, Kuchipudi) trained since past 13 years.
- Classical vocalist
- Reading and exploring new skills (Technical and non-technical)

PROJECTS

Dance Workshop Management System |
2023-2024

Designed and implemented a user-friendly Dance Workshop Management System using PHP, MySQL, and NetBeans, effectively managing workshop, participant, and instructor data. Developed an intuitive interface ensuring error-free data management for administrators, enhancing proficiency in PHP, SQL, and web application development.

Automated Chick counter using YOLO |
2023-24

Implemented an Automated Chick Counter using YOLO (You Only Look Once) for object detection, Python, and OpenCV to count chicks in farm.
Developed robust algorithms for accurate chick counting in images and video streams, enhancing skills in deep learning, computer vision, and Python programming for image processing applications.

AgriDiagnose - ML and NLP driven platform with expert support | (Final Project)
2023-24

This project developed a comprehensive agricultural support platform leveraging NLP, ML, and image recognition. Farmers can submit queries and crop images in Kannada, with the system providing automated responses and disease diagnoses. When the ML model's confidence is low, queries are automatically routed to agricultural scientists. Scientists utilize a user-friendly dashboard to manage queries, request samples, and provide solutions. Real-time notifications keep farmers informed. The platform collects and analyzes data to identify trends, optimize workflows, and improve the ML model's accuracy through continuous learning, ultimately empowering farmers with timely and accurate agricultural support.