HARSH BALU JAGTAP

B.Tech. - Computer Science & Engineering

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Nagpur, Maharashtra, India - 440016

KEY EXPERTISE

IoT Development   SQL   Java(Basic)

EDUCATION

G.H. Raisoni College of Engineering   2021 - 2025
B.Tech. - Computer Science & Engineering | Percentage: **79.20 / 100**

Mohsinbhai Zaweri Jr. College Desaiganj(Wadsa), Gadchiroli, Desaiganj (Vadasa)   2020
12th | MSBSHSE | Percentage: **74.15 / 100**

Z.P. High School, Gadchiroli, Gadchiroli   2018
10th | MSBSHSE | Percentage: **89.60 / 100**

INTERNSHIPS

PhoenixZone Technologies Pvt. Ltd. Pune | IT / Computers - Software   15 Jun, 2024 - 17 Dec, 2024
Intern

Key Skills: IoT   google firebase   Teamwork   Team Leadership

During my internship at PhoenixZone Technologies Pvt. Ltd., Pune, I worked on a project titled "IoT-Enhanced Estrus Detection in Dairy Cattle Using Machine Learning." The company specializes in web development, Android development, IoT, and PHP technologies. My role involved designing and developing an IoT-based system to monitor cattle health and detect estrus cycles. We used sensors like accelerometers, temperature sensors, GPS, and RFID integrated with an ESP32 microcontroller. The data was processed using machine learning models such as Random Forest and Gradient Boosting and stored in Google Firebase. The project also included creating a user-friendly web application for real-time monitoring, helping farmers improve cattle management and productivity.

PROJECTS

IoT-Based Smart Agriculture Monitoring System

Key Skills: IoT

Designed and implemented an IoT system to optimize irrigation by monitoring soil moisture levels. The system features a user-friendly web interface for real-time data visualization, enabling efficient water resource management and supporting healthier crop growth and improved yields.
Key Technologies: ESP8266, Soil Moisture Sensor, Blynk IoT

IoT-Based Vehicle Tracking System

Key Skills: IoT

Designed and implemented an IoT system for real-time vehicle tracking using GPS and GSM technologies. The system provides accurate location updates and includes a user-friendly web interface for seamless monitoring and management, ensuring improve vehicle security and operational efficiency.
Key Technologies: ESP32, GPS Module, GSM Module

SEMINARS / TRAININGS / WORKSHOPS

Social Internship Training – Project "Samarpan" Institute Name: Anmol Foundation

Key Skills: Teamwork   Team Management   Team Leadership

Completed a 15-day internship with the Anmol Foundation NGO, contributing to "Samarpan," a project dedicated to assisting blind students. This experience emphasized social responsibility, teamwork, and project management, fostering skills to serve the community effectively.

EXTRA CURRICULAR ACTIVITIES

- Volunteered as a technical team member for AI Odyssey'24 event on April 5th-6th, 2024. Contributed to developing "Scan & Hunt" game, designed posters, and tackled various tech tasks. Valuable experience in teamwork, problem-solving, and project.