DHRUV SHARMA

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OBJECTIVE

I'm a dedicated engineering student proficient in Python, Java, C, MySql, and MongoDB, driven to innovate and tackle challenges with technology. I excel in team settings and thrive in fast-paced projects. Eager to apply my skills to real-world engineering challenges, I seek opportunities to enhance my technical abilities and make a positive impact.

EDUCATION

JK Lakshmipat University, Jaipur, Rajasthan 2022 - Ongoing
Course: Bachelor of technology (Computer Science Engineering)

Canbridge Court High School, Jaipur, Rajasthan 2021 - 2022
Course: Senior Secondary Education

SKILLS

Technical Skills Data Structures and Algorithms, Database Management System, Operating Systems, OOPs-Concepts, Machine Learning, Optimization, Data Analysis
Languages C, C++, Java, Python

PROJECTS

Event Management System. The system allows clubs to input event and workshop details, streamlining resource allocation for smoother event planning. Automation ensures efficient resource utilization, benefiting both organizers and participants. Collaboration between clubs is enhanced, optimizing resource allocation for better efficiency.

Technologies Used : MySql and Java

Hotel Management System (Finite State Machine). The system integrates both a standard calculator and a price calculator, boosting its functionality. It also features a dynamic billing system, automating price calculations and ensuring precise invoicing for enhanced efficiency.

Technologies Used : Python(Tkinter)

Forest Fire Detector using Arduino. Developed a comprehensive forest fire detection system using Arduino, aimed at early identification and prevention of potential wildfires. The project involved the integration of various sensors and communication modules to ensure real-time monitoring and timely response.

Technologies Used : Arduino

Tennis Ball Detection. The project developed a tennis ball detection system employing OpenCV, YOLOv5, and Roboflow. Through the collection and annotation of a dataset, augmented and preprocessed using Roboflow, the YOLOv5 model was trained for real-time detection. Integration with OpenCV aimed to create an accurate and efficient solution applicable in sports analytics, robotics, and surveillance.

Technologies Used : Python(YOLOv8, YOLOv7s, YOLOv5, Roboflow, OpenCV, PyTorch, Pandas and NumPy)

CERTIFICATES

Data Structures Certificate

Statistics for Data Science with Python Certificate

Matrix Algebra for Engineers Certificate

Java Programming: Solving Problems with Software Certificate