

CONTACT

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EXPERIENCE

Machine and Deep Learning intern | Dec 2024– April2025

L&T Energy Hydrocarbon

Developed a real-time AI system to monitor worker safety gear (helmets, jumpsuits) using YOLOv7 for object detection. Trained the model with custom-labeled data and deployed it on L&T's on-premise servers for enhanced security. Achieved 95% accuracy in detecting safety violations, reducing manual supervision and improving workplace safety.

Technical Trainer| Jan 2024 – May 2024

Jayraj Computer Education

My role involves teaching computer science subjects, designing practical exercises, and creating engaging social media content to promote our programs. I actively support and guide students and parents, helping maintain a collaborative learning environment. Additionally, I contribute to curriculum development, organize events, and stay updated with the latest technologies to ensure effective education.

EDUCATION

Parul University | 2022–2025

Bachelors in Computer Science and Engineering

RC Technical Institute | 2019–2022

Diploma in Computer Engineering

PROJECTS

Robotic Hand Movement Detection using Keypoint Estimation | March 2025

Developed a machine learning model leveraging keypoint estimation to detect and track robotic hand movements in real-time.

3D First-Person Shooter Game in Unity | Oct 2024

Developed a single-player 3D FPS game in Unity with C#, featuring dynamic AI enemies, optimized performance, and immersive gameplay mechanics.

Discord Chatbot for Community Engagement | May 2022

Created a personal chatbot for Discord server that maintains server engagement and entertainment through interactive and responsive communication.