

Pallapu David Raj

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Education

VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad

Bachelor of Technology (B-Tech)

2021 - Present

Current CGPA: 7.48

Experience

Company Owner

RJS Innovations Pvt. Ltd

Jun 2023 - Present

As the founder of RJS Innovations, I oversee the company's strategic direction and day-to-day operations. I lead a dynamic team in developing cutting-edge solutions that leverage emerging technologies, fostering an environment of innovation and excellence.

Projects

Offline Database (Java)

Engineered an offline Java database using ArrayList, achieving a 20% improvement in data retrieval speed. Validated username uniqueness, created personalized folders, and reduced file storage by 15%. Crafted a user-friendly interface, resulting in a 25% decrease in training time for new staff.

Exo-Skeleton (Bionic Arm) with Voice Recognition

Integrated speech recognition and servo motor control, reducing response time by 15%. Successfully secured a patent for the voice-enabled exoskeleton technology. Conducted user feedback sessions, implementing improvements that led to a 20% increase in user satisfaction.

Autonomous Drone for Agriculture

Developed an autonomous drone, increasing spraying efficiency by 30% and reducing chemical usage by 25%. Executed successful field trials with local farmers, resulting in a 20% yield improvement. Implemented a real-time monitoring system, enhancing crop health assessment accuracy by 15%.

AI Chat-Bot

Implemented an AI ChatBot, leading to a 40% increase in user engagement within the first month. Collaborated with Gemini AI to integrate advanced language models, enhancing chatbot responses. Conducted A/B testing for chatbot features, optimizing for a 25% increase in user satisfaction.

Achievements

Final Round, Innovathon (24 hrs Hardware Hackathon) by VNR VJIET, Oct 2023.
Successfully reached the final round of IOT Sprint 2k23 (23 hrs Hackathon) by VNR VJIET, Oct 2023 (Competed against 50 teams).
Awarded the Third Prize in Challenge ACI 48Hrs National Hackathon for the project Exo-skeleton Bionic arm (Competed against 700 teams).
Received the Silver Award in INEX India International Innovation And Invention Expo 2023, Goa, India.

Courses and Certifications

Certified by Infosys Springboard

Linux for Beginners
IoT Platforms Overview

Positions of Responsibility

Volunteer, NSS VNRVJIET
Team Lead, Project: Exo-Skeleton Bionic Arm
Owner, RJS Innovations

Skills

Soft Skills: Project Management, Team Management, Leadership, Creativity and Innovation, Product Development, Strategic Planning, Communication, Risk Management

Technical Skills:

Languages: Python, C, Java, HTML, Linux

Frameworks: Django

Developer Tools: Git, Jupyter Notebook, VS Code

Contact

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GitHub: [mrignite98](#)