MUNI RANGADU K

Visionary Computer Science Maverick | Research Enthusiast | Internship Extraordinaire | Entrepreneurial Dynamo

CONTACT

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SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Digital Marketing

LANGUAGES

- Telugu (Fluent)
- English (Fluent)
- Korea (Basic)
- Hindi (Intermediate)

ABOUT ME

Highly motivated computer science enthusiast and tech entrepreneur, passionate about software engineering, web development, and AI-driven solutions. Skilled in Java and Python, with expertise in Flask-based chatbot development, AI-powered animal detection, and full-stack web and app development. Co-Founder of a thriving IT startup, demonstrating strong problem-solving abilities and adaptability to emerging technologies. Committed to continuous learning and innovative problem-solving, seeking opportunities to apply technical expertise in dynamic environments that value creativity and entrepreneurship.

EDUCATION

SSc(Secondary School Certificate), 05/2014-05/2020

A.P.R SCHOOL - KURNOOL

Achieved 10 CGPA overall

Intermediate(Mathematics, Physics, Chemistry), 06/2020-03/2022

DR.BR.AMBEDHKAR-JUNIOR COLLEGE - CHINNATEKUR KURNOOL

Achieved 90.4% overall score in the MPC curriculum

INTEGRATED MASTERS, 05/2022-05/2027

COMPUTER SCIENCE AND TECHNOLOGY

VELLORE INSTUITE OF TECHNOLOGY -AP VIJAYAWADA

Intrests

Communication Skills
Problem Solving
Adaptability
Teamwork Leadership
Time Management
Creativity Analytical
Thinking Flexibility
Continuous Learning

professional experience

1.Content Writing | Internship ADM Education & Welfare Society, Virtual |[Oct 2024 - Jan 2025]
The primary goal of content writing is to promote our company's social initiatives. Additionally, encourage the use of posters showcasing these initiatives
2. Full Stack Developer Krislynx LLP | [Jan 2024 – Present]
Spearheading development on TradeSphere Global, a comprehensive web portal designed to streamline and unify global trade processes onto a single digital platform. Collaborating across front-end and back-end development using modern technologies to ensure a responsive, scalable, and secure user experience. Serving as a Data Interpreter, analyzing and understanding complex trade-related datasets to enhance data-driven decision-making and site functionality. Applied knowledge from a Power BI certification to create interactive visualizations and reports, enabling dynamic data insights and integration into the platform. Contributed to the continuous improvement of platform performance and usability through iterative development and user feedback.
3.UI/UX Developer Krislynx LLP| [June 2025-present]
Worked on the design and development of a student-parent web portal aimed at improving communication and academic visibility. The platform served as a bridge between students and parents, with a primary focus on tracking student records, including performance, attendance, and behavioral metrics. Designed user-friendly interfaces tailored to both user groups, ensuring accessibility and clarity of information. Collaborated with cross-functional teams to gather requirements, create wireframes, prototypes, and final UI layouts using modern design tools. Employed responsive design principles to ensure compatibility across devices and performed usability testing to refine the user experience continuously. The portal enhanced engagement and enabled real-time updates, thereby strengthening the relationship among students, parents, and educational institutions.

projects

1. Solar tracking system: Developed a robust automated solar tracking system leveraging computer vision techniques to dynamically track the sun based on light intensity and directional analysis. Implemented image processing and matching algorithms to accurately identify the sun’s position in real-time and adjust panel orientation for maximum solar energy absorption. Enhanced system efficiency by integrating sun-intensity detection and motion-tracking modules, significantly improving solar power yield compared to static panels. Demonstrated practical application of computer vision and control systems to solve real-world renewable energy challenges.
2. Smart traffic controlling system: Designed and developed an intelligent traffic control system to reduce dependency on manual traffic officers by using sensor-based automation. Integrated sensors to detect vehicle presence and flow, dynamically adjusting signal timings to manage real-time traffic conditions. Implemented a fixed-timing logic for certain lanes during low traffic periods, while enabling adaptive timing for high-traffic lanes to improve traffic efficiency. Aimed to enhance road safety, reduce congestion, and promote autonomous traffic regulation through smart system design.
3.Voice -emotion recognition system: Developed a machine learning–based voice emotion recognition system capable of analyzing real-world audio samples to identify and classify human emotions. Utilized audio signal processing and feature extraction techniques (e.g., MFCCs, pitch, tone) to preprocess and interpret voice data. Trained models on labeled datasets to detect emotions such as happiness, sadness, anger, and neutrality, achieving high classification accuracy. Integrated real-time audio input and emotion translation into actionable insights, with potential applications in customer service, healthcare, and virtual assistants. Technologies used include Python, Librosa, scikit-learn, and TensorFlow for model development and evaluation.
4. Animal Detection System: Developed an animal detection system using deep neural networks to address real-world challenges such as wildlife monitoring and the prevention of animal-vehicle collisions. Utilized image datasets to train models for accurate animal recognition in diverse environments, improving detection reliability in real-time applications.