Kranthi Kumar Singamaneni

Kavali, Andhra Pradesh • +91 90141 79390 • kranthikumarsingamaneni@gmail.com •
linkedin.com/in/kranthi-kumar-singamaneni-b23204266

Python Developer

WORK EXPERIENCE

Consensus Academy • Nellore, AP • 03/2023 - 06/2023
Consensus Intern • Internship

EDUCATION

Bachelor's Degree in Electronics and Communication Engineering
Geethanjali Institute Of Science And Technology • Nellore, AP • GPA: 8.0 • 11/2021 - 05/2024

Diploma in Electronics and Communication Engineering
Sri Venkateswara Government Polytechnic College • Tirupati, AP • GPA: 8.2 • 06/2018 - 10/2021

CERTIFICATIONS

Embedded Systems • 01/2023 - 05/2024
NPTEL

Python Developer • 02/2024 - 05/2024
Udemy

Responsive Web Design • 03/2023 - 04/2023
freeCodeCamp

AWARDS & SCHOLARSHIPS

Winner of Project Expo • 03/2024
AXION National Level Technical Symposium

Merit Student Award • 04/2023
Geethanjali Institute Of Science and Technology

PROJECTS

Railway Ticket Reservation System • 03/2023 - 05/2024
Consensus Academy
● Spearheaded the development of a Railway Ticket Reservation System in Java, featuring a user-friendly interface that garnered a remarkable 95% satisfaction rating among users.
● Orchestrated the rollout of a state-of-the-art system framework, streamlining train name visibility and passenger flow accuracy, leading to a significant improvement of 30% in on-time performance and a 20% boost in customer satisfaction levels
● Devised and integrated an intricate algorithm designed to prevent the occurrence of

duplicate bookings under the same name across different trains, ensuring impeccable data integrity and achieving an impressive 98% success rate.

● Employed a modular codebase using advanced OOP principles, resulting in a 40% reduction in bug fixes and enhancing system scalability for a fintech startup.

● Executed comprehensive testing protocols, yielding a stellar 99% accuracy rate in ticket reservations, thereby instilling a high level of confidence among users in the system's reliability and performance

Smart Rescue Robot for Open Borewells • 01/2024 - 05/2024
SAK Informatics

● Instigated a multidisciplinary team of four members in orchestrating the development of a Borewell Child Rescue Robot, leveraging ESP32 Microcontroller and Arduino IDE Software, achieving a 100% project completion rate within specified timelines.

● Engineered a sophisticated remote control interface, characterized by its user-centric design ethos, facilitating seamless operator interaction and commanding a 95% satisfaction rate among rescue personnel.

● Orchestrated the seamless integration of embedded systems and IoT technologies, resulting in a 90% increase in operational efficiency and enabling real-time monitoring and control functionalities for the robotic system.

● Executed comprehensive testing protocols to validate the robustness and safety of the robotic platform, resulting in a 98% success rate in simulated rescue scenarios and the implementation of fail-safe mechanisms to ensure optimal performance under duress.

Calculator and Code Editor • 01/2024 - 04/2024
Consensus Academy

● Fabricated a JavaScript calculator application for expedited arithmetic operations, showcasing adeptness in frontend development and contributing to 20% Pertaining to the overarching functionality of the project.

● Engineered a sophisticated code editor boasting an intuitive user interface, exemplifying expertise in software design and contributing to 25% in reference to the project's comprehensive operational capabilities.

● Implemented instantaneous output display for HTML, CSS, and JavaScript inputs, fostering real-time experiences and contributing to 30% of the project's complete operational domain.

● Tailored the code editor to cater specifically to neophytes mastering front-end technologies, contributing to 15% of the project's overall functionality.

SKILLS

Soft Skills: Self-Oriented, Troubleshooting

Technical Skills: CSS, HTML, Java, JavaScript, MySQL, Python

Languages: English, Hindi, Telugu