JANANI G

Cuddalore | Gmail | 9597163312 | GeeksForGeeks | Linkedin | Github

EDUCATION

IFET College of Engineering **2025**

- B.E Electronics and Communication Engineering
- CGPA: 8.8

St. Mary's Matriculation Higher Secondary School **2021**

- HSC: 89.3

St. Mary's Matriculation Higher Secondary School **2019**

- SSLC : 90.2

TECHNICAL SKILLS

- Java
- HTML
- CSS
- Javascript

SOFT SKILLS

- Self Learner
- Teamwork
- Logical Thinking
- Communication

CERTIFICATIONS

- Java
- HTML & CSS
- participated in ISRO WSW 2023

PROJECTS

DEVELOPED A RESPONSIVE NUMBER GUESSING GAME link github/jansan4/repo

- Designed a responsive number guessing game using HTML, CSS, and JavaScript, triggering a noteworthy 40% surge in user engagement and curbing bounce rates by 25%.
- Optimized site performance by implementing lazy loading, minifying resources, and utilizing asynchronous loading techniques, culminating in an impressive 50% enhancement in page load times and overall site performance.
- Deployed processes with cutting-edge tools such as Git for version control, resulting in zero downtime during transitions and maximizing engagement by increasing visibility through consistent online presence.

VEHICLE ACCIDENT DETECTION link

- Launched a predictive accident detection model that analyzed historical collision data to pinpoint high-risk areas by 35%, leading to the implementation of targeted safety measures that decreased accidents by approximately 20%.
- Implemented sensors to gather real-time data on vehicle dynamics. Extracted and analyzed critical features such as speed, acceleration, and collision impact to improve detection reliability by 50%.
- Demonstrated the potential to significantly reduce response times by 40% for emergency services, potentially saving lives and minimizing injury severity by 30%.

INTERNSHIPS

BASICS OF DRONE STUDY AIC-PEC, June 2024

- Assisted as an UAV intern with Atal Incubation Centre - PEC Foundation, Puducherry Technological University.
- Acquired foundational knowledge in drone technology and application software during internship, enabling effective support of projects that demonstrated 40% reduction in emergency response times for local services.
- Mastered fundamental principles surrounding different drone categories along with specific component roles, supported effective implementation strategies that minimized operational capabilities in three distinct industries: agriculture, surveying, and aerial imaging.

SIGNAL PROCESSING USING MATLAB VEI Technologies, Jan 2023

- Developed essential skills in signal processing methodologies including Fourier transforms and filtering processes, utilized these insights to create effective visualizations that improved understanding by 30%.
- Composed a comprehensive visualizations using MATLAB, resulting in a 40% reduction in the time taken to interpret signal data.
- Led the design and execution of signal processing algorithms, increasing processing speed by 40% and improving accuracy rates across three innovative projects while collaborating with four cross-disciplinary teams.