SURYA S V FULLSTACK DEVELOPER

● Cuddalore | ✉ Gmail | 📞 6374763404 | </> Skillrack | 🔗 Linkedin | 🐙 Github

SUMMARY

- Mechanical Engineer skilled in design, analysis, and programming with HTML, CSS, Java, JavaScript, and Python. Combines engineering expertise with coding to optimize processes, automate tasks, and support web-based solutions in engineering projects.

EDUCATION

IFET College of Engineering   **2025**

- B.E Mechanical Engineering
- CGPA: 7.5

Krishnaswamy Vidyanikethan Senior Secondary School   **2021**

- HSC: 73.2

TECHNICAL SKILLS

- Python
- HTML
- CSS
- JavaScript
- Java

SOFT SKILLS

- Self Learner
- Teamwork
- Logical Thinking
- Communication

CERTIFICATIONS

- Python
- HTML & CSS
- Java
- JavaScript

PROJECTS

DEVELOPED A RESPONSIVE WEBSITE   link   github/surya21j/repo

- Developed a fully responsive website that simplified user experience across mobile and desktop devices, resulting in over 1,500 unique visitors within the first month of launch.
- Designed and initiated a suite of HTML enhancements that improved accessibility compliance, resulting in the websites being certified at a 95% accessibility score, positively impacting user satisfaction across diverse demographics.
- Established a mobile-first design framework that accelerated page load times by an average of 2 seconds; this reduction resulted in a noticeable increase in user retention rates and improved overall satisfaction.

VEHICLE ACCIDENT DETECTION   link

- Developed a comprehensive predictive analytics model utilizing historical data to identify 25% critical accident-prone locations; initiative empowered local officials to deploy targeted safety measures, aiming for a 30
- Assessed 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

- Assigned as an UAV intern with Atal Incubation Centre - PEC Foundation, Puducherry Technological University.
- 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.

INTERNET OF THINGS   VEI Technologies, Jan 2023

- Implemented structured test protocols across different IoT platforms which ensured consistent reliability standards were upheld; minimized potential downtime incidents by swiftly addressing over ten unique technical challenges encountered during initial rollouts.
- Mastered key principles surrounding Internet of Things design structures and connectivity standards; facilitated smoother integration processes resulting in reduced onboarding time for new devices by an impressive 30