

SANTHOSH K

CONTACT:

+91 9360164622.

E-mail: santhoshkrish0205@gmail.com

LOCATION: Chennai,Tamilnadu.



SOFTWARE DEVELOPER

I am a software developer who designs, creates, and maintains software applications and systems. I write code in various programming languages to implement software solutions based on user needs and technical requirements. I often collaborate with other team members, such as designers, analysts, and project managers, to ensure the successful delivery of software projects. I also perform debugging and testing to identify and fix issues, ensuring high-quality and efficient software performance. Continuous learning and adapting to new technologies.

STRENGTHS AND EXPERTISE

Software development

Technical support

Operations Management

Machine Learning

User interface

Team Leadership

Full Stack

Communication

Python

PROFESSIONAL EXPERIENCE

- **Intern at Miniworld Technologies | JUN 2023 - JUL 2023**

PYTHON DEVELOPER

In MINIWORLD TECHNOLOGIES, I gained a strong understanding of programming concepts in python, as well as proficiency in -specific syntax and libraries relevant to the domain of expertise.

- **Future skills prime** - Practicing Creative Problem Solving | 2023
 - **NPTEL** - Environmental Science. | 2023
 - **Industry Rediness WorkShop** – SASTRA UNIVERSITY | 2023
 - **Electronica Workshop** – SASTRA UNIVERSITY | 2023
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EDUCATION

- **FULL STACK-JAVA** | GREENS TECHNOLOGY | JUL-OCT-2024.
 - **B.TECH-CSE** | SASTRA UNIVERSITY | CGPA-6.88 | 2020-2024.
 - **HSE** | RAJ VIDYALAYA MATRIC HR.SEC SCHOOL | PERCENTAGE-6.9 / 2019-2020.
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PROJECTS

1. Performance analysis of a Wi-Fi Network using Ns2.

- **Objective:** Simulate and analyze WLAN performance in a university setting using Network Simulator 2 (ns2) and the 802.11g wireless protocol.
- **Metrics Evaluated:** Throughput, packet loss, and end-to-end delay.
- **Outcome:** Identified optimal network configurations to enhance Quality of Service (QoS) for students and faculty.
- **Keywords:** WLAN, ns2, 802.11g, QoS.

2. Skin Cancer detection using DCNN | Python,DL(DCNN),Flask.

- **Objective:** Implement a skin cancer detection method using Deep Convolutional Neural Networks (DCNN).
- **Method:** Enhanced a pre-trained DCNN model with the HAM10000 dataset of skin lesion images.
- **Evaluation:** Tested on a skin lesion image set, achieving cutting-edge performance in diagnosis.
- **Outcome:** Potential to assist doctors in early identification and contribute to automated skin cancer screening.
- **Keywords:** DCNN, skin cancer detection, medical image analysis, HAM10000.

3.

Real-Time Driver Drowsiness Detection with YOLOv5.

- **Objective:** Develop a drowsiness detection system using YOLOv5 to analyze facial features and eye movements.
- **Method:** Curated and annotated a diverse dataset to train a modified YOLOv5 model, incorporating facial landmarks and eye tracking.
- **Key Features:** Eye closure duration, blink frequency, and head pose.
- **Outcome:** Demonstrated high accuracy, speed, and robustness in real-time detection, highlighting potential for widespread vehicle implementation.
- **Keywords:** Image processing, monitoring system, safety analysis, real-time detection.

TOOLS

- Visual Studio Code
- Eclipse
- IDLE
- Git

HOBBIES

- Reading Manga.
- Watching Anime Series.
- Playing with Pets.
- Games.