

DURAIRAJ

Coimbatore,TamilNadu-641008

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Education

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Oct,2022 – May 2026

Bachelors in Computer Science and Business Systems

CGPA-8.22

SRI SANKARA VIDHYALAYA MATRICULATION HIGHER SECONDARY SCHOOL

Summary

92 percentile

Ambitious and driven Computer Science undergraduate with a robust background in AI model development, web technologies, and cloud computing. Co-founder of a sustainable startup and a finalist in multiple prestigious hackathons. Passionate about leveraging technology for impactful real-world solutions.

Skills

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|----------|--------------------|-------------------|----------------|
| • Python | • SQL and concepts | • Data Structures | • AWS concepts |
| • C,C++ | • OOPS | • HTML,CSS,Js | |

Experience

Machine Learning Intern

Tamil Nadu Smart and Advanced Manufacturing Centre (TANSAM) powered by Siemens

- Developed AI models for PCB defect detection at **Flextronics, Bangalore**, enhancing quality control processes.

IOT Intern

Centre for Entrepreneurship Development (CED), Anna University

- Developed an IoT-based Smart Public Toilet System for real-time monitoring, improving hygiene and maintenance efficiency.

MyGov Campus Ambassador

Ministry of Electronics and Information Technology

- Selected as a MyGov Campus Ambassador, contributing skills, creativity, and passion to nation-building initiatives.

Hackathons

Upto August 2024

- Ideas to Impact-IIT Madras: Top 20 finalist among 701 ideas**, selected for IIT Madras pre-incubation NIRMAAN.
- Synergy 2024: Runner-up** in a competitive business pitch event at **PSG,Coimbatore**
- Pune Metro Rail Hackathon:** Worked for the betterment of Metro-Rail Passengers in collaboration with Pune Metro Rail Corporation to prevent Escalator fall,enhancing passenger safety.
- PRASUNETON HACKATHON 2024** Contributed to well being of cancer patients focusing heathcare.
- Hackfest'24-NITTE,Mangalore: Finalist** of Hackfest'24 at NITTE University,Mangalore among 240 teams.

Projects

Ovarian Cancer and Outlier Detection | *Python-Tensorflow,keras,streamlit*

- Developed a Deep learning models using **Convolutional Neural Network** achieving **90 percent** accuracy in classifying Ovarian Cancer subtypes,stages and atypical cases integrated with **Explainable AI** tech to assist doctors.
- <https://github.com/DR-skcet/OvarianCancer.git>

Escalator Fall Detection System for PUNE METRO RAIL CORPORATION | *Python-tensorflow,keras*

- Developed an AI system to detect escalator falls, ensuring enhanced safety for metro passengers.
- https://github.com/DR-skcet/Escalator_Fall.detection.git

PCB Board Defect Detection for FLEXTRONICS,BANGALORE | *Python,Tensorflow and Keras*

- Built an AI model to identify and classify PCB defects, optimizing manufacturing processes at a service side for consumers.
- <https://github.com/DR-skcet/PCB-board-defect-detection-.git>

Vehicle and Object Detection for road traffic management | *Python-Tensorflow,keras,streamlit*

- For Indian Road conditions,to ensure effective road safety and traffic management,an autonomous vehicle detection AI Model had been built for **Govt of India** with real time Datasets.
- https://github.com/DR-skcet/Vehicle_Detection-for-Traffic_Management.git