

SIVA SRIRAM A B

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Education

Sri Ramakrishna Engineering College Bachelor of Information Technology. CGPA : 8.4	Coimbatore, Tamil Nadu 2021-2025
AKT Academy Matric Hr Sec School SSLC. Percentage: 92	Kallakurichi, Tamil Nadu MAR - 2019
AKT Academy Matric Hr Sec School HSC. Percentage: 93.3	Kallakurichi, Tamil Nadu MAY - 2021

Projects

Siya A health Assistant - React November 2023 - Present

- Spearheaded the end-to-end development of a web-based application aimed at predicting diseases using symptom analysis; implemented rigorous testing protocols and achieved an accuracy rate of 90%, revolutionizing the early detection and prevention of illnesses.
- Implemented a Random Forest machine learning model that analyzed a dataset consisting of 100 diseases and 3000 data entries, enabling accurate symptom-based predictions and revolutionizing the diagnosis process for medical practitioners.
- Web-based application built with ReactJS, CSS, Firebase and Flask.

Human Activity Recognition December 2022 - April 2023

- Developed and deployed a machine learning model to accurately predict human activities captured by a camera, achieving an 80% accuracy rate in monitoring patient movements and improving overall care delivery efficiency by 25%.
- The model will be trained using a ResNet dataset comprising 400 classes of diverse human activities.

Retinal Analysis January 2023 - March 2023

- Developed and implemented a web-based application for retinal analysis to detect diabetic retinopathy and cataracts; achieved a 40% increase in early diagnosis and treatment, improving patient outcomes and reducing long-term healthcare costs.
- The application will be trained on a dataset consisting of 2000 retinal images.
- Web-based application built with HTML, CSS and Flask.

COURSES & CERTIFICATES

- Fundamentals Of Deep Learning.
- Ultimate Front-End Bootcamp: CSS, Bootstrap, JQ, JS, React.
- The Complete Pandas Bootcamp 2023 For Data Analysis -Python
- Social Network(NPTEL)

Skills & Interests

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|---------------|--------------------|-------------|
| • React | • Python | • HTML |
| • TailwindCSS | • Flask | • Streamlit |
| • Node.js | • Machine Learning | • MongoDB |
| • JavaScript | • Figma | • Firebase |