



Srujan Rai

Roll No.: 4SF21CI047

Bachelor of Engineering

Sahyadri College of Engineering and Management

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📄 Srujan rai

🌐 Srujan-rai

EDUCATION

•Sahyadri College of Engineering and Management, Adyar

2021-25

Bachelor of Engineering in Computer Science and Engineering(AIML)

CGPA: 9.0

•Ambika Padavi poorva vidyalaya

2019-2021

Karnataka State Board

Percentage: 97.6

•Sandeepani High School

2019

Karnataka State Board

Percentage: 90.8

PROJECTS

•Rudraksh

Developed frontend for a web platform for farmers to identify plant diseases, enhancing crop health management.

- Tools & technologies used:Next.js, TailwindCSS, APIs, Machine Learning, Flask Application,tensorflow,keras,opencv
- Integrated API, utilizing machine learning for disease detection, treatment recommendations, and prevention measures

•Safon

Designed and developed a portable device with calling and tracking features using C++ and Arduino.

- Tools & technologies used: C++, A, gps aurdino.
- Implemented GPS functionality to enable tracking of the device's location in real-time.And integrated communication modules for making and receiving calls.

•Diabetic retinopathy detection

Developed a machine learning model to detect diabetic retinopathy from retinal images using machine learning

- Tools & technologies used:tensorflow,keras,opencv
- Preprocessed retinal images to enhance features relevant for diabetic retinopathy detection.
- Evaluated the model's performance using various metrics and achieved significant 98% accuracy in detecting diabetic retinopathy.

VOLUNTEERING EXPERIENCE

•Sahyadri Open Source Community (SOSC)

Nov 2023

IOT Lead

Sahyadri College

- Conducted two engaging workshops on Computer Vision and Artificial Intelligence, providing hands-on learning experiences and insightful discussions to participants
- The team in IoT tech consists of 50 talented individuals.

•IEEE

2023

Student Member

Sahyadri College

- Conducted workshops on Artificial intelligence and Machine Learning
- Member of SAC team IEEE bangalore.

TECHNICAL SKILLS AND INTERESTS

Languages: Python,C,C++, Javascript, HTML,CSS

Libraries : Opencv,Tensorflow,Pytorch,Numpy, Pandas, Matplotlib, Sklearn,EasyOcr

Coding Platforms: VScode, Google Collab

Databases: Relational Database(mysql),firebase

Relevant Coursework: Machine Learning, Computer vision, Artificial Intelligence, Self driving car

Areas of Interest: Machine Learning,Computer vision,IOT,Backend development

Soft Skills: Problem Solving, Team work

ACHIEVEMENTS

•1st place in Roolathon (GDSC SIT 2023)

2023

Developed and proposed a solution Finvest, our website, to provide financial education

•2nd prize at Parsec 2024, IIT Dharwad

2024

Created a user-friendly financial management website with advanced security measures in place.