

Katukojula sai prerana

✉ preranasai19@gmail.com ☎ 9182883036 📍 Hyderabad ♀ Female

🌐 <https://www.linkedin.com/in/prerana-983388351> 🐙 <https://github.com/Katukojulasai>

🔗 <https://katukojulasai.github.io/katukojula-saiprerana-portfolio/>

Profile

Motivated and detail-oriented final-year B.Tech student in Artificial Intelligence and Machine Learning with strong problem-solving, analytical, and technical skills.

Education

Trinity college of engineering and technology 2026
BTECH(AIML)
9 CGPA

Krishnaveni Vikas junior college 2022
INTER(MPC)
989/1000 marks

Sri sidhartha high school 2020
SSC
10/10

Skills

- | | | | |
|--|--|---|--|
| • PROGRAMMING SKILLS: Python , Java , C , Html5 , Css3 | • SOFTSKILLS: communication , leadership, presentation, creativity | • PRESENTATION SKILLS:PowerPoint, Excel, MS word, PowerBI | • TOOLS: GitHub, Jupyter Notebook, Google Colab, VS Code,canva |
|--|--|---|--|

Professional Experience

IIT HYDERABAD (swayam)

Internship

Assisted in the development and management of online learning content for the SWAYAM platform. Conducted research, content review.

CODEBOT-hackathon-IISC BANGALORE

Hackathon

Finalist – CodeBot Hackathon, ARTPARK Bangalore. Shortlisted for the national-level CodeBot Hackathon organized by ARTPARK, Bangalore. Developed a Fraud Detection Mobile Application using Artificial Intelligence to identify and prevent suspicious transactions in real-time.

MENTOR TOGETHER

Internship, training

mentorship program focusing on communication skills, presentation techniques, and soft skills development.

AICTE-EDUNET

Internship

Worked on AI-driven solutions for sustainable agriculture, focusing on crop yield prediction and resource optimization. Gained hands-on experience in applying machine learning techniques.

DATA ANALYTICS with python

Training

Python for data analysis, including data cleaning, visualization, and statistical analysis. Learned to use libraries such as Pandas, NumPy, and Matplotlib for handling and interpreting datasets.

SMART INDIA HACKATHON

Hackathon

Developed an AI-powered solution for ensuring the availability of high-quality seeds to farmers, improving crop productivity and sustainability.

SMART LEARN EDUTECH

Internship(AIML)

Worked on developing and implementing AI/ML models for educational technology solutions. Applied machine learning algorithms for data-driven insights to enhance personalized learning experiences.

MIND SPARK INNOVATIONS

internship(AI)

Worked on AI-based solutions, focusing on model development, training, and optimization for real-world.

Projects

Detection of unauthorized constructions using drones

Drone system of real-time aerial monitoring. Integrated sensors and camera modules.

ROLE: sensor integration, and programming of autonomous navigation using AI-based object detection.

Indoor AI navigation

AI-powered indoor navigation system guide users within malls, hospitals, airports etc. AI-based pathfinding and real-time location tracking

ROLE: integrated AI techniques for obstacle detection and shortest path calculation. Assisted in testing, debugging.

Fraud Detection using AI app in mobiles

mobile application capable of detecting and preventing fraudulent transactions in real time.

ROLE: Tested for accuracy and efficiency in fraud detection.

High quality seeds using AI machine

AI-powered platform to assess seed quality and recommend high-yield varieties to farmers for better crop productivity.

ROLE: collected information about different seeds and organizing the data. designed simple pages to display seed details clearly.

AI chatbot

AI-powered chatbot capable of handling customer queries, providing instant responses, and reducing manual workload.

ROLE: Designed and implemented chatbot conversation flow. Integrated NLP models for intent recognition.

Customer chunks

Machine learning model to predict customer churn (likelihood of customers leaving a service). The system analyzes customer behavior, transaction history, and usage patterns.

ROLE: Collected and preprocessed customer data for model training.

BP control by ML for remote patient monitoring

Mobile application collects BP values, stores history, generates a medical-formatted PDF instantly and sends it to the doctor.

ROLE : Collected BP data and organized it for generating reports. designing the website interface.

Certificates

oracle academy

Database programming with SQL final exam passed certification

JP MORGAN

Software Engineering job simulation

Accenture

Developer virtual experience program

TASK

Frontend development HTML5 CSS3

All India NCAT

Qualified in All India Naukari campus aptitude test

Data analytics with python

Completed training along with project

Awards

Finalist of VISHWAKARMA awards by IIT HYDERABAD

Finalist of CODEBOT Hackathon IISC banglore

Author of the book : CORRECT THE INCORRECTNESS

Secured 81 % in JEE MAINS

Town topper in intermediate

Secured 989 marks out of 1000 in intermediate MPC state town top marks

Languages

Telugu , Hindi , English