JEEVA SANTRA G

jeevasantra128@gmail.com linkedin.com/in/jeeva-santra-g github.com/Santra-24

EXPERIENCE

Advanced Skin Disease Diagnosis - Leveraging Image Processing
Infosys springboard -2024

Tech stack-Python, TensorFlow, Keras, Streamlit, OpenCV, NumPy, CNN,ImageDataGenerator

- Developed this model, built with TensorFlow and Keras, included Conv2D, MaxPooling2D, and Dense layers with dropout to prevent overfitting. Image preprocessing and augmentation were performed using ImageDataGenerator to enhance robustness. Integrated OpenCV for handling and resizing images.
- A user-friendly Streamlit web app was developed for real-time image uploads and predictions. This project demonstrates a complete machine learning pipeline, from preprocessing and model training to deployment in an interactive interface, showcasing practical skills in deep learning and application development.

PROJECT

COPBOTCHATBOX:CHATBOX TO BRIDGE THE GAP BETWEEN CITIZENS AND POLICE

- Developed an AI-based chatbot to bridge the gap between citizens and police authorities by providing accurate, structured information from official police records.
- Built using the LLaMA 3 model from Hugging Face, the chatbot supports offline functionality for deployment in police stations and government offices, ensuring accessibility and reliability in low-connectivity environments.

ACHIEVEMENTS

Finalist – Thoothukudi Police Hackathon

Participated and secured a finalist position. Gained hands-on experience with real-time policing challenges and interacted with police authorities, deepening understanding of law enforcement systems.

Notable Participant – IIT Bombay FOSSEE Mapathon

Recognized for significant contributions to open-source GIS and spatial data analysis through participation in the national-level mapathon organized by IIT Bombay.

CERTIFICATIONS

- supervised machine learning -regression and classification   -Coursera
- Introduction to HTML,CSS and Javascript   -Coursera

EDUCATION

Bachelor of Technology,St.Joseph's College of Engineering
Information Technology
CGPA:9.01

Chennai-India

St.John's Higher Secondary School
 HSC:92.5%

SKILLS

- **Programming skills:**C,Java
- **Web development:**HTML,CSS and Javascript
- **Soft skills:**Leadership,Problem-solving,Teamwork,Communication
- **Deep Learning** – Image Processing