Adwaith PV

Chennai, Tamilnadu, Tamilnadu · adwaith.pv@gmail.com · +919884922459 · in/adwaithpv

EXPERIENCE

AI/ML Intern

Turn2Law **June 2025 – Present, Chennai, Tamil Nadu**

- Engineered an automated web scraping framework with Selenium for efficient gathering of legal news on a daily schedule
- Engineered a predictive algorithm that improved client-lawyer matchmaking accuracy by 35%, utilizing Python and TensorFlow to analyze user preferences and historical data.
- Collaborated with a multidisciplinary team to design and deploy a chatbot using natural language processing (NLP) techniques, achieving a 50% improvement in client interaction response times on the Turn2Law platform.

PROJECTS

American Hand Sign Detection

github.com/Adwaithpv/Handsign-CNN

- Developed an American sign language detection website using OpenCV
- Implemented convolutional neural networks , achieving 90% accuracy in testing data and 94% accuracy in Validation data
- Utilized seaborn to visualize the dataset, analyze model predictions, visualize feature maps, and gain interpretability into the CNN's decision-making process.

MediBOT: Medicine Inventory Assitant using RAG

github.com/Adwaithpv/SharkBYTE/tree/main/chatbot

- Built an AI-powered inventory assistant with Retrieval-Augmented Generation (RAG) using fine-tuned LLaMA 3.2, enabling over 92% accurate natural language responses to inventory queries.
- Fine-tuned LLaMA 3.2 on custom inventory QA dataset with LangChain to improve domain-specific comprehension and response quality.
- Seamlessly linked to Firebase Realtime Database for dynamic data retrieval, ensuring accuracy in stock counts, expiry dates, and medicine availability.

InvAR: An AR Inventory Management Application

- Engineered an augmented reality (AR) application that scans QR codes to display real-time product information, including stock levels and delivery details.
- Integrated the app with a real-time database to provide up-to-date product information dynamically.
- Designed and implemented an intuitive, user-friendly interface to enhance the overall user experience.

Skin Disease detection using Tensorflow

github.com/Adwaithpv/Skin-Detection-using-keras-98-acc

- Developed a skin disease detection model utilizing TensorFlow.
- Implemented Convolutional Neural Networks (CNNs) to classify skin diseases from images, improving the accuracy from 82% to 88%.
- Utilized visualization tools such as matplotlib and seaborn to analyze model predictions and visualize feature maps.

Portfolio Website Development

- Developed a straightforward portfolio website from scratch using fundamental web technologies, including HTML, CSS, and JavaScript.
- Designed a clean and minimalist user interface to effectively showcase projects, skills, and contact information.
- Leveraged CSS for styling and layout, along with basic JavaScript functionality for interactive elements such as navigation menus and form validation.

EDUCATION

Bachelor of Technology in Computer Science, specialization in Big Data Analytics

SRM Institute Of Science & Technology · Kattankulathur, Tamilnadu · Jun. 2023 – May. 2027 · 9.05

Higher Secondary

Sri Chaitanya Techno School · Chennai, Tamilnadu · 2021 2023

CERTIFICATIONS

Introduction to Web Development with HTML, CSS, and JavaScript

Programming in Python

AWS Academy Graduate: AWS Academy Cloud Architecting

AWS Academy Graduate: AWS Academy Cloud Foundations

C for Everyone: Structured Programming

C for Everyone: Programming Fundamentals

Google Cloud Gen AI Virtual Internship
Jun. 2024

Google AI-ML Virtual Internship
Jan. 2024

Cloud Virtual Internship by AWS Academy
Sep. 2023

INVOLVEMENT

Consultant Lead
SRM Institute of Science and Technology · 180 Degrees Consulting · September 2023 – Present
· Collaborated on multiple consulting projects for NGOs, focusing on social impact and strategic development.
· Spearheaded the integration of cloud services into client solutions, improving operational efficiency by 30% over a 6-month period, utilizing AWS and Azure tools.
· Orchestrated the deployment of monitoring tools to track and optimize client system performance, reducing downtime by 25% within a 3-month timeframe using Prometheus and Grafana.

PUBLICATION

Leveraging Segment Anything Model and Large Language Models for Rapid Post-Disaster Damage Assessment
Conference Paper · IEEE · 2025

SKILLS

Python, C, C++, MySQL, HTML, CSS, JavaScript, Java

Transformers, LLMS, VLMs, Tensorflow, Keras, Scikit Learn, Neo4J, OpenCV, Pinecone, Langgraph, Lang Chain, AWS, FAISS, MLFlow

Git, VS Code, Visual Studio, Gradio, Streamlit, UNITY

Data structures and Algorithms, Operating Systems, Database Management, Network Protocols, Vector Databases, MVC, AIOPS