Sanjeev Kumar

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PROFESSIONAL SUMMARY

I am a highly motivated, creative, and results oriented individual with a passion for learning new technology. I am also a team player who is able to work independently and as a part of a team to achieve common goals. I am confident, adaptable and have a strong work ethics.

EDUCATION

Panimalar engineering college **08 2018 – 06 2022**
B.Tech.,(Information Technology) - ***CGPA - 8.31*** *poonamalee, Tamil Nadu*

PROJECTS

Building web app for Pharmaceutical endorsement | Python, HTML,CSS **08 2021**

- used an agile approach for regular feedback and improvements.
- For the back-end we used Django and MySQL
- Used generative ai models for collecting images such as Generative Adversarial Networks.
- Train model using collected images.
- Detect Signlanguage in realtime using Opencv.

AI Automated Attendance System | Python, OpenCV, MySQL, Flask **08 2022**

- Collect images for training the attendance system using webcams and OpenCV.
- Label images for facial recognition using tools like LabelImg.
- Set up the TensorFlow Object Detection Pipeline configuration.
- Train the facial recognition model using collected and labeled images.
- Deploy the trained model to detect and recognize faces in real-time using OpenCV.
- Log attendance automatically by matching recognized faces with the database.
- Generate attendance reports and analytics to monitor attendance patterns.
- Ensure data security and privacy compliance in handling and storing attendance records.
- Integrate the attendance system with existing educational or HR management systems.
- Provide a user-friendly interface for administrators to manage attendance records and settings.

Predict Disease Using Symptom by using CalTool | Python, Machine Learning **06 2022**

- Deployed LoRa sensors to detect diseases using symptoms.
- Gathered data using MySQL database and filter data using convoluted neural networks
- Trained machine learning models using reinforcement model to identify early signs of disease using images .
- Using patient images and existing data, we predict disease after training machine learning models.
- Implemented real-time alert notifications using exponential backoff algorithm for immediate response for checking patients' blood pressure and pulse rate.
- Visualized sensor data and alerts through a centralized dashboard for easy monitoring.

TECHNICAL SKILLS

Languages: Python, SQL, HTML, CSS
Developer Tools: VS Code, Android Studio, Figma
Technologies/Frameworks: Mongo, Django

CERTIFICATIONS AND COMPETITIVE EXAMS

- Data structures and algorithms in python UDEMY
- Python pro bootcamp UDEMY
- MongoDB Basics
- SQL
- GRE - 312/340 VERBAL: 152 QUANT:160
- TOEFL : 91/120

LANGUAGES KNOWN

- English
- Tamil