Sai Reddy

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About Me

Data science enthusiast with potential skills in Machine Learning, python. Passionate web developer and IOT engineer.
Freelance programmer, competent and diligent individual who is seeking an opportunity to establish career in the fields of Data Science and Machine Learning.

Skills

Programming Skills: Python, DBMS, Full Stack Development in Django Framework, Image Processing, Machine Learning, IOT using Raspberry Pi.

Projects

	Title	Programming Language	Description
1	SAAS Application for Artificial Intelligence trained models using Django Framework	Python, Django, Machine Learning, Tensor flow Image Processing	SAAS web application for trained AI models.
2	Emotion AI on Human non-verbal cues	Python, Tensor Flow	Finding Human emotions using Facial Expressions.
3	Social Distancing and face mask monitoring automation	Python, Open CV, Azure Cognitive Custom Vision service, Raspberry pi	A unit linked to IP or CCTV Camera which monitors people to maintain social distance and to wear mask in crowded place like Malls, Temples, Shops etc.
4	Phishing Website Detection	Django, ML, NLP	Utility that predicts phishing URL's. This project is developed using five machine learning algorithms. Dataset is built by crawling 0.4 million websites.
5	Voice controlled and fall detection Wheelchair	Arduino, Android Studio	Concept automates the wheel chair that is provided with voice controller, fall detection mechanism and alert system.
6	Apartment IOT Automation system	ESP, Arduino, Android Studio	Gardening Automation, Car Exit Alarm system, Gate-pass Automation.

Experience

May 2017-Dec2018   **IOT Intern at** Jochebed TechSolutions

Worked on developing "Smart Wheelchair" concept which is controlled by voice. It has fall detection mechanism and alert system. Used Arduino and Android Studio.

Jun 2019-Jan2020   **Machine Learning Intern at** manteio.in

Developed an AI Chatbot to communicate with patients for answering medical related queries. It also reminds patients about their appointment's and behold whether sick is following the medication as per prescribed.

Education

B-Tech / 7.2 GPA
Mahatma Gandhi Institute Of Technology, Hyderabad.
Expected Graduation: May 2021

Intermediate / 96.5 Percent
Sri Gayatri CO, Hyderabad.
June 2015-May 2017

Schooling / 9.8 CGPA
Vikas Concept School, Hyderabad.
May 2015

Accomplishments

- Certified Web Master and Developer by National Assessment and Accreditation Council (NAAC).
- Won prize in Hackathon conducted by Hyderabad City Police and partnered with them on other safety initiatives.
- Computer Society of India (CSI) Student Chapter Head for 2019.
- Award winner of National wide event "Microcosm" for project titled "Smart Wheelchair".
- Finalist for Smart India Hackathon.
- 5 star and gold star rated programmer in Hackerrank with highest world rank 42,000.
- Maintained Indian Society for Technical Education of Telangana Website.
- Certifications: Python, Django full stack, IoT using Raspberry pi, Machine Learning, Modern AI Problems and Tutorials point python certification.
- Complete Certification Details here https://sai-sambhu.github.io/Certifications/index.html
- Researched on "phishing websites detection algorithm" and submitted "IEEE" paper.
- Active in college clubs, won and conducted many college-level coding events.

Ideas in Pipeline

Worked with Hyderabad city police on Driver Alert System. The vehicle shall be attached with modules which will assist the driver with the crowd, traffic board analysis and over speeding warning system. This also detects drowsiness of driver using Image processing. It is fitted with Accident notification system which detects that a vehicle occupant has been injured in an accident, vehicle position detecting system which detects the position of the vehicle, and a mobile communication terminal which sends a signal predicting injury to the vehicle occupant from the damage predicting system to call from the vehicle to the predefined numbers along with accident location.

Interests

- Volunteer work
- College club memberships
- Sports
- Coding Competitions