Ranjithkumar M

python developer

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Profile

- Python developer with two years of experience, adept at coming up with ideas and creating features and improvements. have knowledge of creating end-to-end applications in accordance with client needs and quality standards. adept at running manual tests and conducting regular audits to address issues and boost productivity.

Education

Program	Institution	% / CG-PA	Year
BCA	C.kandaswami naidu college for men, Chennai	7.20	2018
Class		**Percentage**	**Year**
12th	Chennai boys Higher Secondary School	67.08	2015

Work Experience

Sep'21-Present **Software Developer, Fabhost Web Solution, Chennai**

- Utilizing a Raspberry Pi, get knowledge of perception sensors such as ultrasonic, proximity, and camera.
- practical knowledge of Tensorflow, Keras, and OpenCV in Python.
- Developed web application back end components and communicated with clients to identify their needs and goals.
- Developed entire front-end and back-end modules using Python on Django Web Framework.
- designed and set up database and backend programmes and applications, contributing to the continuity of operations and raising efficiency.
- Handling full stack programming tasks for the development of the high-volume online service with (Django,Flask,MySQL,SQL,MongoDB).
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Projects

Jun-Jul'20 **REAL TIME OBJECT DETECTOR FOR VISUALLY IMPAIRED**

- A machine learning project developed to provide visual assistance for blind people.
- The model detects objects in real time using video processing.
- This is done with the help of Single Shot Multi-box Detector algorithm.

Jan-Feb'20 **SCAN QR CODES IN REAL-TIME WITH RASPBERRY PI AND CONTROLLING THE ROBOT**

- Use a webcam and a Raspberry Pi 4 to extract information from QR codes and even make your own with Python and controlling the robot using flask framework.

Oct-Nov'20 **SELF DRIVING CAR USING COMPUTER VISION WITHOUT USING ANY SEN-SORE PROTOTYPE**

- In this project a low cost prototype of self driving car is proposed and implemented. The car will have a camera on board and with the feed video the analyzer computer can detect traffic signal (turn right , turn left , stop) and give correct decisions to the car.

Note: All the projects can be found in my github.com/Ranjithkumar M profile.

Technical Skills

Programming	Python, MySQL
Software	Git, Visual Studio, Anaconda, PyCharm, Jupyter Notebook
Open-Source	Dockers, MongoDB
Web	HTML, CSS, Bootstrap
Frameworks.sdk	Django,Django Rest-framework, Flask
Libraries	OpenCV, TensorFlow, Keras, Matplotlib, Pandas, Seaborn