Sakthyvell Superamaniam

SOFTWARE DEVELOPER

+6016-4339237 | sakthyvell@outlook.com | Kuala Lumpur | sakthyvells.com | github.com/sakthyvell
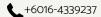
Executive Profile

Software developer with 2 years experience in Python3 and about a year of experience specialising in Django/Flask-and-ML Libraries. Fairly experienced in Test-Driven Development (TTDI) methodologies and Agile Practices

Education

Manipal International University
Bachelor of Computer Engineering (Honours)

Graduated with GPA 3.9

Skills

- Web Framework (Django/Flask)
- PL/SQL and NoSQL (PostgreSQL, Oracle)
- Front-End (HTML/CSS, js, jQuery, vue.js)
- Web Services (AWS EC2, Heroku)
- Operating System (Windows, Linux)
- Data Manipulation (Numpy, Pandas)
- ML (Scikit-Learn, Keras, Tensorflow)
- Git and Version Control (Github, Gitlab)
- Agile Methodologies (Scrum, Kanban)
- Docker
- CI/ CD (Travis CI)

References

Ms. Aparna Vyakarnam
Senior Lecturer from Manipal International University
aparna.vyakarnam@miu.edu.my   +6017-260 9517

Mr. Supbarmaniam Applesamy
Mentor and Colleague
+6016-422 4270

Work Background

Software Engineer
Juris Technologies | Aug 2020 - Present

- Co-Developed a multi-channel user engagement platform for banks and financial institution using a proprietary PHP Framework called PHPLens
- Designed UI screens using JQuery and HTML/CSS
- Performed Integration Testing and Unit Testing using PHPUnit
- Wrote procedures and scripts to run database-level transactions on Oracle DB using PL/SQL

Software Engineer Intern
Jewel Paymentech | Aug 2019 - Oct 2019

- Helped in development of Merchant Onboarding Platform using Django Framework and implemented migrations using PostgreSQL/MongoDB
- Wrote unit tests for backend modules using pytest
- Won 2nd place in Internal Hackathon for proposing an intent classification model for analysing user comments with accuracy of 78%

Project Experience

Human Detection and Tracking UAV
Feb 2020 - June 2020

- Used Haar-Cascade-Classifer to recognise the frontal face face of a person
- Trained FaceNet Neural Network on custom dataset for face verification
- Mapped the controls of the UAV to the output of the model through Tello SDK 2.0
- Managed to achieve about 83% of accuracy on test and validation set

Emotion Detection Based Patient Monitoring System
2020 IEEE Student Conference on Research and Development (SCOReD)
Oct 2019 - Jan 2020

- Designed and implemented a patient monitoring system consisting of an emotion detection module and ECG sensors
- Built an emotion detection neural network using FERC Dataset comprising of 7 emotions
- Transmitted sequence of images and ECG reading to web server using WebSocket
- Tested and implemented the system in campus clinic to monitor student-patients