Pavan Venkatesh

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A Computer Science enthusiast, dedicated, hardworking, creative with previous experience in Machine Learning and Android Application Development. 2 years of extensive experience in Android Application Development, Android Library crafting and communicating with firmwares at the company GraspIO. 6 months of experience working in the Machine Learning domain, worked on Computer Vision, Neural Networks to achieve plant disease detection for the start-up, Urvi Systems Private Limited. Have completed MOOCs on Machine Learning, Computer Vision, Java, Nodejs.

Skills :

- Java   • Android SDK   • Machine Learning   • Computer Vision   • Android Library
- Nodejs

Work Experience

Machine Learning Engineer

Urvi Systems Private Limited - *Bangalore, India*   *06/2018 – 11/2018*

An Agri-tech startup aimed at providing various services to the farmer, includes Plant Disease Detection, Crop recommendation and Soil health cards.

Achievements/Tasks

- Trained a neural network (YOLOv2) for disease detection in the paddy crop
- Developed the Android Application of Urvi.

Software Engineer

GraspIO - *Bangalore, India*   *03/2016 – 07/2018*

An IOT based company for the maker community which aims at making robotics and IOT less technical and more practical.

Achievements/Tasks

- Developed the Android Application of GraspIO.
- Integrated the android application with the hardware to achieve practical IoT and robotic solutions.
- Secured first place in the "Pitch Perfect" event organised by the company.

Projects

Object Detection using Neural Networks

Trained a Yolo-v2 network to detect disease in paddy crop.

Smart Adver-pi-zing - Implementation of a smart advertising platform using raspberry pi

Built a targeted advertising platform using raspberry pi, involved an android application coupled with a raspberry pi which had a webserver and database running on it. The communication medium was WLAN.

Carousel Picker - Android Libary

Developed the android open source library which is plug-and-play enabled.

Pinview - Android Library

Developed the Pinview Library for android which is open sourced on Github.

Education

Master's in Computer Science

University of Southern California - *Los Angeles, California, 01/2019 – Present*

Courses

Analysis of Algorithms

Database Systems

Bachelor of Engineering Information Science

JSS Academy of Technical Education - *Bangalore, India*, *08/2012 – 06/2016*

Consistently stood amongst the top 10 students of the class.