SINDHU SURESH BABU

Apartment 12F, 10 Huron Ave, Jersey City, NJ 07306
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Education

CORNELL TECH — **New York, NY**
Dual Degree Program by Cornell University and Technion
Masters in Information Systems, Connective Media, May 2018

VISVESVARAYA TECHNOLOGICAL UNIVERSITY — **Bangalore, India**
Bachelor of Engineering (Telecommunication), August 2015
GPA 3.68 Winner of Alumni Award for Best Project '15

Experience

MOONRAFT INNOVATION LABS — **Bangalore, India**
2015-2016 ***Full-Stack Software Developer, Mobile Application Developer***
Lead developer of four projects

- Developed the Full Stack and a hybrid mobile app for Moonraft Reimbursement system
- Developed an intelligent door lock that unlocks itself and can be unlocked remotely
- Worked on website that considers the User Journey of the End-User to generate an appropriate price for the development of the mobile app
- Worked on the development of Core modules of an app for TVS Bikes.

2014 **INDIAN INSTITUTE OF TECHNOLOGY - MADRAS** — **Chennai, India**
***Summer Fellowship,* Cloud Computing and Cyber-Physical Systems Lab**

- Developed Models for Computation Time of Scientific Computing Tasks like Matrix Multiplication and K-Means Clustering
- Worked on Resource Allocation algorithms for Scientific Computing on the Cloud

Projects

Adobe Company Challenge — **New York, NY**
Present ***Product Studio, Cornell Tech***
Product Development of a suite of Virtual Reality Software for Designers and Content Developers

Oct 2014 - May 2015 **Artificial Intelligence for Robotic Grasping of Objects**
Design and development of an Intelligent Robotic Arm with Vision that can recognize object and pick up the object in the prescribed way using Machine Learning and Computer Vision

- Trained a J48 Decision Tree to identify grasp points
- Compared the performance of SVM with RBF Kernel with the Decision Tree
- Implemented a Depth Perception system to the grasp location using Stereo Camera

Aug-Dec 2013 **Gait Analysis System for Treatment of Parkinson's**
Attitude Heading Reference System(AHRS)

- Worked with Inertial Motion Sensors used for measurement of motion. Assisted on modelling resting tremors using Systems Theory

Skills

Languages: Python, Javascript, HTML, CSS, Node.js, Angular.js, MATLAB
Platforms and Frameworks: Parallel Programming using Multiprocessing Package for Python, MPI and ssh, OpenCV, libsvm, Weka, scikit-learn, MEAN Stack, Cordova, Ionic, Android, pandas

Awards

Alumni Award for the Best Final Year Project, 2015 for AI for Robotic Grasping