

Tejasvi Ravi

+1 (413) 404-4190

ravitejasvi.com

ravitejasvi@gmail.com

EDUCATION

University of Massachusetts - Amherst, MA

Dec 2019 (Expected)

M.Sc. in Computer Science - 3.67 CGPA

→ Courses: Neural Networks, Machine Learning, Systems for Data Science, Computer Vision

PES Institute of Technology - Bangalore, India

May 2015

B.Tech in Computer Science - 3.77 CGPA

WORK EXPERIENCE

Software Engineer Intern, Microsoft - Redmond, WA

May 2018 - Aug 2018

→ Building a bot, that answers queries regarding builds and their metrics for Office products

Won the Machine Learning And Data Science conference 2018 hackathon

Member of Technical Staff 2, VMware RnD - Bangalore, India

July 2015 - Aug 2017

→ Developed policy based storage management framework for vCenter

→ Filed for a *patent*, in the domain of predicting and preventing system failures for vCenter

Won Best Project Award and Best market potential award at VMware hackathons

Co-Founder, TagAlong - Incubated @ MIT Global Startup Labs

Summer 2014

→ Designed and developed ridesharing/ ride-hailing Android application

Student Developer, Google Summer of Code

Summer 2013 & 2014

→ Implemented framework for microblogs, user profiles and user communication for Tahrir project under Freenet project organization

PROJECTS AND PUBLICATIONS

Understudy Approach - A Multi-Agent Reinforcement Learning technique

ravitejasvi.com/assets/understudy-approach.pdf

→ Introduced a MARL technique that trains agents to learn co-operative tasks by combining the different learning models; Project for Neural Networks (CS682) course under Dr. Erik Miller

Super Resolve Videos using SRGANs

<https://github.com/ravisvi/super-resolution-videos>

→ Extended the state of the art SRGANs technique to super resolve videos for the course Computer Vision (CS670) under Dr. Subranshu Maji

An Early Risk Detection and Management System for the Cloud with Log Parser - Elsevier 2018

<https://doi.org/10.1016/j.compind.2018.01.018>

→ Built a system that used machine learning techniques to provide insights into the fatal operations on a cloud server, and recommend steps to eliminate the risks in real time

Quality of Service on Greenplum

→ Introduced priority groups to queries in GreenPlum database which helped improve the response time by 80% and 10% for high priority users and low priority users respectively
Awarded the best capstone project under "Technology impact" (out of 70) in PESIT 2015

TECHNICAL SKILLS

Java, Python, C, React, JS, SciKit, Git, Android, TensorFlow; Machine Learning, Data Structures, Neural Networks, Blockchain;

EXTRACURRICULARS

- Founded and led Entrepreneurship Club at PESIT; hosted flagship event with 200+ participants; raised \$5000 from Reliance, Github
- CS social committee chair at University of Massachusetts