Tejasvi Ravi

ravitejasvi.com
+1 (413) 404-4190
ravitejasvi@gmail.com

EDUCATION

University of Massachusetts - Amherst, MA — Dec 2018 (Expected)
M.Sc. in Computer Science

- Courses: Machine Learning, Systems for Data Science, Neural Networks, Computer Vision
- Current Sem: Natural Language Processing, Reinforcement Learning and Algos for Data Science

PES Institute of Technology - Bangalore, India — May 2015
B.Tech in Computer Science

WORK EXPERIENCE

Software Engineer Intern, Microsoft - Redmond, WA — May 2018 - Aug 2018

- Built a bot in C#, 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 distributed storage management framework that improved availability by 30%.
- *Won Best Project Award and Best market potential award at VMware hackathons*

Student Developer, Google Summer of Code — Summer 2013 & 2014

- Implemented user profiles and communication for Tahrir under Freenet project organization

Co-Founder, TagAlong - Incubated @ **MIT Global Startup Labs** — Summer 2014

- Designed and developed ridesharing/ ride-hailing Android application

PATENT AND PUBLICATION

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

Early Risk Management in VMware's vCenter Suite - Patent Application 201841027955, filed July 25, 2018. Patent Pending.

PROJECTS

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

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, JS, SciKit, PyTorch, Spark, Hadoop, C#; Machine Learning, Neural Networks, Blockchain

EXTRACURRICULARS

- CS social committee chair at University of Massachusetts
- Founded and led Entrepreneurship Club at PESIT; hosted flagship event with 200+ participants

- Speaker at Women Who Code meetup at VMware on Container Technologies in VMs