

# Tejasvi Ravi

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## EDUCATION

**University of Massachusetts** - Amherst, MA

May 2019 (Expected)

M.Sc. in Computer Science

- Courses: Systems for Data Science, Applied Information Retrieval and Computer Vision.

**PES Institute of Technology** - Bangalore, India

May 2015

B.Tech in Computer Science - 3.77 CGPA

## WORK EXPERIENCE

**Member of Technical Staff 2 (SDE2) RnD, VMware** - Bangalore, India

July 2015 - Aug 2017

- Developed policy based storage management framework using Java for vCenter.
- Prototyped and demonstrated container management using Python on multi-cloud.
- Filed for a *patent* (under review) internally, which predicted system failures for vCenter and recommended ways to avoid them.

**Software Development Intern, Juniper Networks** - Bangalore, India

Summer 2015

- Built an Android application to request and manage approvals like PTO, salary change etc.

**Co-Founder, TagAlong** - Bangalore, India

Summer 2014

- Co-founded a dynamic ridesharing/ ride-hailing application called TagAlong, incubated in *MIT Global Startup 2014*.
- Designed and developed the Android application.

**Student Developer, Google Summer of Code** - Bangalore, India

Summer 2013

- Developed code for Tahrir project under Freenet project organization, implementing microblogs, user profiles and communication amongst users in java.

## PROJECTS AND PUBLICATIONS

**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>

- We built a system that uses data analytics, association rule learning and machine learning techniques to provide insights on the operations that can put a system in peril, and recommend suitable steps to reduce or eliminate the risks causing a crash.

**Quality of Service on Greenplum**

- With the aim to improve the query latencies of Greenplum database, we assigned priorities to queries and manipulated the resources to associated processes, resulting in an 80% and 10% decrease in response time for high priority users and low priority users respectively.
- Awarded the best capstone project under "Technology impact" (out of 70) in PESIT 2015.

**Customer Service ChatBot**

- Built command line chatbot which could answer user questions regarding mobile phones as part of natural language processing elective in PESIT.

## TECHNICAL SKILLS

Java, Python, C, P4V, Git, Android, Matlab, HTML/CSS/Javascript, Maven.

## EXTRACURRICULARS

- Founded and led Entrepreneurship Club at PESIT; hosted flagship event having 200 plus participants and raised \$5000 from Reliance, Github etc.
- CS social committee chair at University of Massachusetts.
- Won Best Project Award (out of 40 other new college graduate projects) and best market potential award at VMware hackathons.