

# Vedant Puri

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## Education

### University of Massachusetts Amherst

May 2019

B.S. IN COMPUTER SCIENCE

- Member of Commonwealth Honors College
- **GPA: 4.0/4.0**

## Experience

### Ernst & Young

Mumbai, India

SOFTWARE DEVELOPMENT INTERN

Aug. 2018

- Worked on a tool helping companies to automate identifying relevant information to avail GST credit on airline invoices.
- Used third party RPA software systems to automate routine tasks in companies primarily for cost cutting.

### Talenttrack

Delhi, India

SOFTWARE DEVELOPMENT INTERN

Jul. 2017 - Aug. 2017

- Parsed access logs of their website to get statistics on daily number of clicks, opens and un-subscriptions.
- Developed a PHP script that downloads the log file from AWS S3 daily, processes it (extracts useful info.) and deletes it.
- Wrote scripts to insert data into a database and represent it visually using Google charts.
- Created distinct HTML forms to filter queries for the graphs, and to update various descriptions.

### TechMahindra

Delhi, India

PRODUCT DEVELOPMENT INTERN

Jul. 2016 - Aug. 2016

- Created demonstrations of core smart cities' technologies including Internet of things (IoT), SCADA etc.
- Conceptualized features for a visitor's app, 4 of which were accepted and incorporated by the company in the app.

### Magnon\TBWA

Delhi, India

FRONT END WEB DEVELOPER INTERN

May. 2014 - July. 2014

- Involved in a team responsible for building a digital marketing platform. Understood various web hosting environments.
- Created a website for a club at high school using WordPress, familiarized myself with MySQL, integrated Facebook APIs.

## Leadership Experience

- 2018 **Undergraduate Course Assistant:** CMPSCI-377 (Operating Systems)
- 2017 **Undergraduate Course Assistant:** CMPSCI-230 (Computer System Principles)
- 2016 **Grader:** CMPSCI-187 (Data Structures & Algorithms)

## Projects

### Pyosphere (Open Source)

Jul. 2018

- Uses bash scripting to provide a flattened execution environment for easy and error free imports in Python.
- Provides several options to give flexibility to the user. E.g. Initialize, Prune, Reset etc.
- Compatible for macOS and Linux, allows several different installation ways including homebrew and curl.

### Natural Language Unix (Open Source)

Nov. 2017 - Present

- Uses CKY parsing (NLP) and shell scripts to carry out basic UNIX commands using natural language.
- Supports commands like find, move, copy, organize (organizes files in a folder by file type), undo etc.
- Aims to make it easier for users to carry out complex commands by using just natural language (syntax free).
- Allows flexibility by allowing users to add their own commands easily by adding a script and appending the grammar.

### Universale (Open Source)

May. 2018

- Uses a Django framework to create a web app for college students to buy/sell items, services etc.
- Supports searching for products, flagging/unflagging items, creating/editing a profile, uploading/deleting a product.

### Multilingual Emoji Prediction

Dec. 2017

- Predicts an emoji based on a given tweet (English and Spanish). Limited to top 20 emojis given by SemEval 2018.
- Uses Naïve Bayes as a baseline and further uses Decision Tree Classifier, LSTM and bidirectional LSTM models.

## Skills

**Programming Languages** Java, Python, PHP, C, C++, Bash scripting, HTML, CSS, MySQL

**Developer Tools** Git/GitHub, SVN, Django, Google Charts API

**Developer Environments** Eclipse, PyCharm, Linux, Virtual Box, JGrasp.

## Honors & Achievements

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- 2018 **Dean's List:** Top 10% of students in the university. (All semesters)
- 2018 **Honor Societies:** Member of Phi Kappa Phi and Phi Beta Kappa
- 2017 **Course Citation:** CMPSCI-311 (Algorithms): Among top 5% of few thousands of students over the years
- 2017 **Outstanding Academic achievement:** Phi Kappa Phi Honors Society
- 2016 **Course Citation:** CMPSCI-187 (Programming with Data Structures): Among top 7 out of about 200 students.

## Extracurriculars

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- **Represented India** from Bhaichung Bhutia Football Schools in Euro Sporting Youth Tournament - Rimini, Italy.
- Coached by a **UEFA** licensed and ex- Fulham FC Coach Jose Tavares.
- Promoted the U17 Football World Cup as a part of All India Football Federation's (**AIFF**) youth development program.
- Participated and won **8 – 10** district and inter school soccer tournaments.

## Volunteer Service

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- Coached under privileged children (under 12) in soccer for Jan Seva Samiti (NGO).
- Taught under privileged children mathematics and English under the home tuition program of Jan Seva Samiti.
- Taught under privileged children of Vidya and Child (NGO) Microsoft Office and usage of few other essential software.