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.

Talentrack   *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   *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   *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.

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.

Universale   *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.

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

2014   **Outstanding Academic achievement**: Phi Kappa Phi Honors Society

2013   **Course Citation**: CMPSCI-311 (Algorithms): Among top 5% of few thousands of students over the years

2011   **Course Citation**: CMPSCI-187 (Programming with Data Structures): Among top 7 out of about 200 students.

2012   **Dean's List**: Top 10% of students in the university. (All semesters)

2015   **Honor Societies**: Member of Phi Kappa Phi and Phi Beta Kappa