

Vedant Puri

413-406-4931 • vedantpuri13@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

EDUCATION

University of Massachusetts Amherst, B.S. Computer Science

May 2019

Member of Commonwealth Honors College

GPA: 4.0 / 4.0

Relevant Coursework: Machine Learning, Computer and Network Security, Algorithms, Operating Systems, Intro to Natural Language Processing, Artificial Intelligence, Web Development, Databases.

EXPERIENCE

Software Development Intern, Talentrack, India

July - August 2017

- Responsible for parsing access logs of their website to get statistics on daily number of clicks, opens and un-subscriptions.
- Deployed a PHP script that downloads the log file from AWS S3 daily, processes it and deletes it.
- Inserted Data into a database and represented it on graphs using google charts.
- Created an HTML form to fill in descriptions of the mailers, which is then linked with the database.

Front End Web Developer Intern, Magnon\TBWA, India

May - July 2014

- Part of a 5-member 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

- **Undergraduate Course Assistant** for **CMPSCI-377** (OS). Graded assignments and answered student doubts.
- **Undergraduate Course Assistant** for **CMPSCI-230** (Systems). Lead labs and assisted students with programming.
- **Grader** for **CMPSCI-187** (Data Structures) Graded student assignments and addressed student concerns.

PROJECTS

Pyosphere (Open Source)

- A bash script that provides 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)

- 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

- 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.
- tweets by favorites or retweets etc.

Free and For Sale

- Uses Django 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 AND ACHIEVEMENTS

- Certificate for **outstanding academic achievement** given by **The Honor Society of Phi Kappa Phi**. (UMass Chapter)
- Course citation – CMPSCI – 187 (Programming with Data Structures) – among **top 7** students out of about **200** students.
- Course citation – CMPSCI – 311 (Algorithms) – among **top 5%** of few thousands of students over the years.
- Dean's List – **Top 10%** of students. (All semesters)
- Member of Phi Kappa Phi and Phi Beta Kappa **Honor Societies**.