Vedant **Puri**

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Education

Cornell University   *May 2020*

M.ENG IN COMPUTER SCIENCE
- **GPA:** *In Progress*

University of Massachusetts Amherst   *May 2019*

B.S. IN COMPUTER SCIENCE | SUMMA CUM LAUDE
- **GPA: 4.0**/4.0
- **Outstanding Undergraduate Achievement Award:** Top 7 in graduating class of Computer Science.

Skills

Programming/Scripting	Python, Java, MySQL, PostgresSQL, PHP, HTML, CSS, Bash, C, C++
Frameworks/Tools	Git/GitHub, Django, Scikit-Learn, PyTorch, Django, SVN, Google Charts API
Developer Environments	Eclipse, PyCharm, Linux, Virtual Box, JGrasp

Experience

IESL UMass Amherst (Prof. Andrew McCallum)   *MA, USA*

INDEPENDENT STUDY   *Jan - May 2019*
- Built a software in Python (using PyTorch) from scratch to perform shallow semantic parsing for scientific procedural texts.
- Wrote an easily configurable program that will be used by the lab as an essential component for a larger project.

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*
- Developed an analytical tool for the company from scratch, providing valuable insight into the reach/popularity of the company's product.
- Created an easy to use web interface with several filters and a visual representation of the data using Google charts.

TechMahindra   *Delhi, India*

PRODUCT DEVELOPMENT INTERN   *Jul 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.

Projects

Pyosphere

BASH
- Minimizes the complexity of import statements in Python significantly by creating a universal directory for importing any file in the project.
- Collaborated to write a bash script that accumulates hard-links of all .py and/or other specified files for a python project.
- Implemented config parsing, support for incremental builds, and worked on precautions to ensure error-free execution.

Universale

DJANGO, HTML, CSS
- Provides an exclusive web marketplace for college students to create their profiles and buy/sell items.
- Bridged the DB and front-end by parameterizing the code and removed redundancies, reducing code size significantly.
- Primarily developed core features like form data handling and user login management, while solving several bugs faced by my teammates.

Emoji Prediction

PYTHON
- Provides emoji suggestions based on the emotion and text of the tweet given as input.
- Enforced modularization and used OOP techniques to increase clarity making testing easy and developed code to pre-process the data.
- Collaboratively implemented several machine learning models and natural language techniques using Keras, NLTK etc.

Script Stash

BASH
- Supplies developers with a collection of simple scripts that automate tedious and repetitive tasks.
- Developed a script to update the brew formula to your latest package release with an option to auto-commit to brew tap.
- Implemented a script to change necessary settings and files to update a Django project name, making the process much easier.

Certifications

- Natural Language Processing *(Microsoft)*
- Cryptography *(University of Maryland)*
- AWS: Associate Developer, AWS: Solutions Architect *(Udemy)*