Vedant **Puri**

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Education

Cornell University   *May 2020*

M.Eng in Computer Science
- **Relevant Courses:** Machine Learning for Intelligent Systems, Entrepreneurship for Engineers, Open Source Software Engineering

University of Massachusetts Amherst   *May 2019*

B.S. in Computer Science | Summa Cum Laude
- **GPA: 4.0**/4.0
- **Relevant Courses:** Natural Language Processing, Secure Distributed Systems (Blockchains), Formal Language Theory, Databases

Skills

Programming/Scripting	Python, PHP, MySQL, PostgresSQL, Java, C, C++, HTML, CSS, JS, Bash
Frameworks/Tools	Git/GitHub, SwiftUI, Scikit-Learn, PyTorch, NLTK, Travis CI, Django, AWS, 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 (Startup)   *Delhi, India*

Software Development Intern   *Jul 2017*
- Developed an analytical tool from scratch in PHP, 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 queried 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.

Personal Projects

Pyosphere (Open Source)

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 (Open Source)

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.

Contributions

ParlAI (Facebook Research)	Integrated a complex dialogue dataset, Implemented Logging, Wrote a utility script.
linux-timemachine (Open Source)	Modularized the script and included a feature taking care of an edge case.
MacOS	Reported several bugs and suggested features as a part of Apple's Beta Software Program.