




Aditya Pillai

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 pillai.io

 // Email Me!

education__

Carnegie Mellon University

Pittsburgh, PA
BS in Computer Science
May 2022
QPA: 3.76

Selected Coursework:

- Principles of Imperative Computation
- Principles of Functional Programming*
- Mathematical Foundations of Computer Science
- Multidimensional Calculus*
- Matrices and Linear Transformations

Teaching:

- Principles of Imperative Computation (Spring 2019)

Brentwood High School

Brentwood, TN
May 2018
GPA: 4.0

skills__

Programming:

Python, C, C++, JavaScript, Java, HTML, CSS, Bash

Technologies:

Django, Ansible, Git, Unix, Linux, SQL, MongoDB, Rest, NodeJS, Express.js, React.js

volunteering__

Boys and Girls Club of America. Franklin, TN.
Second Harvest Food Bank. Nashville, TN.

experience__

Vanderbilt University. *Research Intern.* May 2018 — August 2018

- Engineered a metric to characterize political divisiveness through the ease of classification of traditional and deep machine learning models.
- Evaluated the measures as proxies of divisiveness by comparing the metric against historian views of polarization.

Utilize Health. *Technology Intern.* May 2017 — August 2017

- Inspected and systematically tested Utilize Health's web application through the agile software development process.
- Reported to the CTO and collaborated in weekly meetings to discuss goals and plans as part of a 12-person startup team.

activities__

CMU Bhanga Team.

August 2018 — Present

- Practice for competitions and exhibitions 7+ hours per week.
- Perform at several on- and off-campus events.

ScottyLabs. *Member and Developer.*

August 2018 — Present

- Deliberate on proposals for TartanHacks, an annual hackathon at CMU.
- Develop an API for campus services including dining and course schedules.

projects__

Jumpstart

- Designing and automatically testing an Ansible script that provisions any macOS device for software development and daily usage.

Algorithms with a Purpose

- Devise the Python backend for the annual ACM@CMU competition that exposes algorithms to programmers of all experiences in a fun game-like scenario.

SIOrigin

- Creating a WebKit extension and API server that scrapes Faculty Course Evaluations and Course Schedules to suggest non-conflicting course schedules with the best ratings for any given semester.

Streisand

- Contribute to this open-source project that counteracts internet censorship.
- Allows individuals across the world to easily deploy technologies, including stunnel and Tor, to a VPS via Ansible.

awards and honors__

13th in Applicational Calculus Nationally
1st in Statistics Statewide

July 2017
April 2016