Aavar Khatiwoda

703 395 1540 | aavar@vt.edu | aavarkhatiwoda.com | github.com/aavarkhatiwoda | linkedin.com/in/aavar

EDUCATION

Virginia Tech, Blacksburg, VA
Bachelor of Science in Computer Science, May 2024
Minor in Mathematics, May 2024
Interested in:
- Software Engineering, Machine Learning / Neural Networks
- Web Development

GPA: 3.838, Dean's List

TECHNICAL SKILLS

Python, Java, C, JavaScript, React, JSX, Sass, HTML, CSS, Terminal, Linux, macOS, Virtual Servers

WORK EXPERIENCE

Northrop Grumman, Baltimore, MD
Incoming Software Engineer Intern, Jun 2023 – Aug 2023

TECHNICAL PROJECTS

Personal SWE Portfolio Website [aavarkhatiwoda.com]
React, JSX, Sass, Google Domains, Netlify
- Self-taught [3+ years] and developed a minimalistic and scalable SWE portfolio website.
- Utilized Sass variables and mapping of key-value objects and lists toward creating a scalable and readable environment.
- Implemented for mobile and desktop, up to 4k.
- Emphasized design toward a high-quality user interface and user experience.
- Tested and transferred improvements and additions from a testing environment to the main directory.

Apple Music Terminal Music Finder
Python, Apple Music [Mac]
- Created terminal program that numerically lists potential songs through matching of text in string input and plays the intended song from download artists library after selection.
- Incorporated handling of special characters in the input.

Recursive Sudoku Solver Visualizer
Python, PyGame
- Developed backtracking sudoku application with solving process shown through GUI.
- Designed with an emphasis on efficiency of code, utilizing effective commenting and organization of functions to yield an easily readable and understandable final product.
- Implemented handling of unsolvable grids.

TEACHING HISTORY

Mathnasium, Falls Church, VA
Mathematics Tutor, Oct 2020 – Jun 2021
- Tutored 30+ elementary, middle, and high school students core mathematics course concepts [through calc I], in addition to SAT/ACT prep.
- Targeted personalized key areas of improvement, emphasizing experimentation of current topics with previously known material.
- Helped students reach a higher level of understanding in coursework and advanced topics, resulting in higher quiz and test scores post-instruction.

STEM exCEL, Fairfax, VA
Python Instructor, Nov 2019 – Mar 2020
- Instructed 20+ 4th – 6th grade students Python programming, introducing data types, lists, loops, control flow, random, and other topics.
- Introduced students to text-based terminal projects, such as random password and unique username generators.