Varun Kanna

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github.com/varun-kanna/

EDUCATION

University of California, Santa Cruz | Santa Cruz, CA December 2025
Bachelor of Science in Computer Science

- Cumulative GPA: 3.92
- Relevant coursework: Programming Abstractions in Python (Equivalent to Data Structures & Algorithms), Discrete Mathematics, Linear Algebra, Calculus I, II, and III
- Professional Organizations: UCSC Association for Computing Machinery, UCSC Google Developer Student Clubs, Athletics & Recreation Fund Advisory Committee

SKILLS

Programming Languages: Python, HTML, CSS
Frameworks/Technologies: Flask, Selenium, Netlify
Developer Tools: Git, GitHub, Notion, Object Oriented Programming, Visual Studio Code
Languages: English, Telugu

PROJECTS

Spotify to Youtube Playlist Converter - Pleasanton, CA June - Aug 2023

- Developed a custom Python automation tool to streamline playlist conversion by utilizing Exportify and the YouTube Music API to facilitate the process
- Diminished the amount of time needed to add songs on average by 40% and benchmarked this for various album sizes ranging from 100-1000 songs
- Enforced CRUD functionalities to improve the user experience by implementing type checks to account for any errors

NBA Player Comparison Tool - Pleasanton, CA Apr - May 2023

- Engineered a Python script to compare players from any era and achieved faster comparisons by using Pandas & Numpy to handle player objects
- Retrieved specific statistics that contributed to more accurate comparisons between players by utilizing the NBA API
- Implemented new features for the tool to allow for more methods of comparisons with Agile Methodologies
- Analyzed statistics from more than 4,500 players to gain comprehensive insights into historical contributions across diverse basketball eras by enabling users to input the player, year, and season type of different players

15 Game - Santa Cruz, CA Jan - Feb 2023
Student, CSE30 (Programming Abstractions with Python)

- Leveraged Numpy's array manipulation to refine core game mechanics, culminating in a significant 80% decrease in processing time and ensuring seamless gameplay
- Increased accessibility of the game by implementing the game with interactive elements, including reshuffling and resetting features
- Crafted a user-friendly GUI by allowing players to choose different colors for squares by using Tkinter

ACTIVITES

Transcend Academics - Pleasanton, CA Jan – Apr 2022
Tutor

- Mentored underprivileged middle school students, enabling them to overcome educational challenges
- Awarded “Tutor Of The Month” for elevating student’s skills by improving their mindset towards classes
- Provided actionable feedback to students, resulting in a remarkable 15% improvement in grades