Varun Kanna

Software Engineer Intern

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EDUCATION

University of California, Santa Cruz | Santa Cruz, CA   Expected Graduation, Dec 2025
Bachelor of Science in Computer Science
- Cumulative GPA: 3.92/4.00
- Relevant coursework: Intro to Python, Programming Abstractions Python
- Professional Organizations: UCSC ACM, UCSC Google DSC

PROJECTS

Spotify to Youtube Playlist Converter - Exportify, Youtube Music API   August 2023
- Optimized playlist conversion by engineering a tailored Python tool to automate the process
- Diminished manual workload by 80% and economized over 10 hours weekly for users
- Enforced CRUD functionalities to effectively oversee and govern playlists, yielding a 30% decrease in effort needed for playlist management tasks

NBA Player Comparison Tool - Pandas, Numpy, Requests   May 2023
- Engineered a Python script for cross-era NBA player comparisons, resulting in a 20% decrease in the time required to search for players' statistics
- Applied object-oriented programming principles to design and implement modular player comparison functionalities
- Analyzed statistics from more than 4,500 players to gain comprehensive insights into historical contributions across diverse basketball eras

15 Game - Student - Programming Abstractions - Tkinter, Numpy - Santa Cruz, CA   February 2023
- Revitalized a conventional puzzle game by creatively incorporating interactive elements, effectively showcasing adaptability and user-centric design principles
- Leveraged Numpy's array manipulation to refine core game mechanics, culminating in a significant 80% decrease in processing time and ensuring seamless gameplay
- Crafted a user-friendly GUI with Tkinter, elevating interface interactivity and fostering a 20% enhancement in overall user satisfaction

SKILLS

Technical Skills: Python, SQL, HTML, CSS
Frameworks/Technologies: Flask, MySQL, Selenium, Netlify
SDLC Methodologies: Introduction to Waterfall and Agile Scrum Framework
Certifications & Training: Scientific Computing with Python, Modern HTML & CSS From The Beginning
Developer Tools: Git, GitHub, Notion, Object Oriented Programming, Visual Studio Code
Languages: English, Telugu

ACTIVITES

Transcend Academics - Tutor - Pleasanton, CA   January 2021 – April 2022
- 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