# VARUN KANNA

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## Education

**University of California, Santa Cruz**                                                            June 2025
*Bachelor of Science in Computer Science*                                                   *Santa Cruz, CA*
**Relevant Coursework:** Data Structures & Algorithms, Discrete Mathematics, Linear Algebra, Calculus I, II, III

## Experience

**Transcend Academics**                                                    January 2021 − April 2022
*Tutor*                                                                                   *Pleasanton, CA*
- Tutored underprivileged middle school students with STEM classes, enabling them to overcome educational challenges
- Awarded "Tutor Of The Month" for elevating student's skills by improving their mindset towards classes
- Developed teaching ability by providing actionable feedback, resulting in a remarkable 15% improvement in grades

## Projects

**Maomorize - Memorization App** | *JavaScript, Firebase, Firestore, React, Vite*            January 2024
- Designed a dynamic website that leverages the effective "blurting" study method to improve learning retention
- Achieved streamlined data storage and retrieval of user notes through the implementation of server-side JavaScript, optimizing performance by 30% in data handling processes
- Enhanced the design by making it easier for users to navigate the website using React Router with Vite

**SmokeScreen - Blocker for Content** | *JavaScript, Chrome Storage API*                   November 2023
*ACM Hacks x Grace Hacks - Most Ambitious Award*
- Expedited the development of a Google Chrome extension that automatically hides user specified content
- Improved the backend functionality using the Chrome Storage API and JavaScript to allow users to save their phrases
- Strengthened the functionality of the extension by 50% through meticulously debugging issues to make sure the specified content is blocked

**SpotYt - Spotify to Youtube Playlist Converter** | *Python, YouTube Music API, Exportify*      June - August 2023
- Developed a custom Python automation tool to streamline playlist conversion by utilizing the YouTube Music API and Exportify
- Automated playlist conversion to reduce the 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 robust data specification checks

**NBA Comparison Tool** | *Python, Pandas, Numpy, NBA API*                              April - May 2023
- Engineered a Python script to compare players by metrics such as true shooting percentage and effective field goal percentage using Pandas & Numpy to handle player objects
- Retrieved statistics that contributed to more up-to-date comparisons between players by utilizing the NBA API
- Created a menu tool employing regex resulting in a 30% reduction in time required for comparisons

## Technical Skills

**Languages**: Python, JavaScript, HTML/CSS
**Developer Tools**: Git, GitHub, Ubuntu, Notion, Object Oriented Programming, Visual Studio Code
**Technologies/Frameworks**: React, Firebase, Firestore, Netlify

## Extracurriculars

**Google Developer Student Club**                                              Fall 2023 − Present
*Member*
- Improved technical skill through attending Google product workshops on Firebase, Flutter, and TensorFlow
- Developed a 4 year course scheduler for GDSC Solution Challenge to assist students on creating their schedules

**Association for Computing Machinery (ACM) Chapter**                          Fall 2023 − Present
*Member*
- Immersed myself in software such as REST & SOAP APIs to expand skill set

**Athletics & Recreation Fund Advisory Committee**                             Fall 2023 − Present
*Committee*
- Sparked constructive insights and recommendations to enhance facility functionality by collecting roughly 50 responses per topic on social media