Varun Kanna

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Education

University of California, Santa Cruz **September 2022 - June 2025**
Bachelor of Science in Computer Science *Santa Cruz, CA*
GPA: 3.96/4.0
Relevant Coursework: Data Structures & Algorithms, (CodePath) Intro to Web Development
Extracurriculars: UCSC GDSC, UCSC ACM

Skills

Languages: Python, JavaScript, HTML, CSS
Frameworks/Libraries: React, Node.js, Express, Flask
Databases: MongoDB, Firebase
Developer Tools: Git, GitHub

Experience

Full Stack Software Engineer Intern **April 2024 – Present**
Innovate Mobile *Remote*
- Managed the migration of over **5,000** data entries from SQLite to MongoDB, enhancing database scalability and query performance by **50%**
- Enhanced data processing automation by **25%** through backend email scraping and user data integration using Python
- Maintained unit tests for the existing codebase, increasing code coverage to **70%** and reducing bugs by **40%**
- Coordinated with team members on Slack to discuss project scope, design, and infrastructure, leading to a **20**% reduction in project development time

Accelerate Program Participant - Software Track **June 2024 – July 2024**
IBM *Remote*
- **1** of **175** chosen out of **10,000+** applicants to participate in 8-week learning program with topics including front-end, UX design and development, back-end, Rest APIs, generative AI, and Cloud Native Development
- Demonstrated proficiency in JavaScript, React, Node.js through developing hands-on projects and mentorship with IBM developers and industry leaders

Projects

SelfTour - Itinerary App | *TypeScript, React, Firebase, Firestore, Tailwind* **April 2024**
- Achieved a **50%** reduction in itinerary planning time for users navigating congested cities like San Francisco by engineering a streamlined user experience
- Increased application responsiveness by **20%** compared to previous iterations by developing frontend and backend functionalities using TypeScript and Node.js
- Reduced database query latency by **25%** and improved overall application performance by integrating Firebase for data management
- Accelerated design iteration cycles by **40%** and ensured rapid implementation of user feedback by utilizing Figma for prototyping

SmokeScreen - Blocker for Content | *JavaScript, Chrome Storage API* **November 2023**
ACM Hacks x Grace Hacks - Most Ambitious Award
- Accelerated the development timeline of a Google Chrome extension by **30%** through streamlining the workflow with agile methodologies
- 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