

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: JavaScript, Python, 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