

# VARUN KANNA

US Citizen | ###-###-#### | [varunkanna1@outlook.com](mailto:varunkanna1@outlook.com) | [LinkedIn](#) | [GitHub](#) | Pleasanton, CA

## Experience

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### Credo Semiconductor

July 2025 - Present

*Software Engineer*

*San Jose, CA*

- Starting

### Keysight Technologies

January 2025 - June 2025

*Frontend Software Engineer Intern*

*Santa Clara, CA*

- Spearheaded the development of interactive data dashboards in Angular, improving data visualization by 30%
- Optimized system observability by integrating InfluxDB, reducing query response time by 120ms
- Automated test execution across devices with OpenTAP, reducing setup time by 50% and ensuring seamless data flow

### SS&C Technologies

July 2024 – September 2024

*Software Engineer Intern*

*San Francisco, CA*

- Enhanced performance test visualization by developing Python scripts that condensed 245+ graphs into one report
- Developed a Jenkins pipeline to automate ETL, cutting manual effort by 83.4% and execution time by 33s
- Optimized performance test reporting by automating outdated file removal in MinIO, reducing storage usage by 27%
- Presented AI-assisted testing proof-of-concept by researching tools to demonstrate AI's potential in test automation

### IBM

June 2024 – July 2024

*Accelerate Program Participant - Software Track*

*Remote*

- Completed an 8-week program on Front-End, Back-End, REST APIs, Generative AI, and Cloud Native Development
- Built a task app with React, Node.js, and MongoDB with real-time updates and a streamlined user experience

### Innovate Mobile

April 2024 – June 2024

*Full Stack Software Engineer Intern*

*San Francisco, CA*

- Developed a full-stack web application using MongoDB, Express.js, React, and Node.js for an aggregator app
- Migrated 6,100+ data entries from SQLite to MongoDB, leading to a 20% improvement in development time
- Directed modeling of data and API endpoints for seamless integration between front-end and back-end systems
- Enhanced data processing automation by 14s through email scraping and user data integration using Python
- Maintained unit tests for the existing codebase, increasing code coverage to 65% and reducing bugs by 30%

## Projects

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### TCG Tracker - Pokemon Card Tracker | *JavaScript, React, Node.js, Express, Firebase*

- Developed a card grading tool that enables users to assess grading value and profitability of their collection
- Leveraged Google Cloud Vision API to automate card identification and entry, resulting in a 35% time saving
- Boosted collection tracking efficiency by 27% by developing a collection management system with Chart.js

### SelfTour - Itinerary App | *TypeScript, React, Firebase, Firestore, Tailwind CSS*

- Engineered an app linking travel planners and travelers for AI-assisted itinerary planning and route optimization
- Achieved a 41s reduction in itinerary planning time for users in congested cities with a streamlined user experience
- Increased application responsiveness by 26.8% by developing frontend and backend using React and Node.js
- Improved overall performance by integrating Firebase for data management and TypeScript for data validation

## Skills

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**Languages:** Python, JavaScript, TypeScript, SQL, HTML, CSS

**Tools:** Git, Jest, Docker, PostgreSQL, Firebase, MongoDB, Jenkins

**Frameworks:** React, Node.js, Express

## Education

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### University of California, Santa Cruz

*Bachelor of Science in Computer Science*

*September 2022 - June 2025*

GPA: 3.96/4.0