

VARUN KANNA

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

Experience

Credo Semiconductor

July 2025 - Present

Software Engineer

San Jose, CA

- Starting

Keysight Technologies

January 2025 - June 2025

Frontend Software Engineer Intern

Santa Rosa, 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- Optimized performance test reporting by automating outdated file removal in MinIO, reducing storage usage by 27%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

Remote

- 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

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

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

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

Frameworks: React, Node.js, Express

Education

University of California, Santa Cruz

Bachelor of Science in Computer Science

September 2022 - June 2025

GPA: 3.96/4.0