

# JAYANTH SRIHAAS KARANAM

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## Education

### California State University, Dominguez Hills

Aug 2022 - May 2024

MS in Computer Science, GPA(3.66/4.00)

Carson, California

- **Relevant Coursework:** Design and Analysis of Algorithms, Advanced Programming Languages, Advanced Software Engineering, Software Project Planning, Software Quality Assurance, Artificial Intelligence, Structured Query Language.

## Technical Skills

**Programming Languages:** Java, Python, C, SQL, JavaScript, HTML, CSS

**Databases and Storage Services:** MySQL, MongoDB

**Tools and Frameworks:** Eclipse, Jupyter Notebook, Android Studio, Visual Studio Code, GitHub, PyCharm, Azure, Quality Assurance, React, Node.js, Next.js, Wordpress, Bootstrap, Figma, Flask, Excel, Word, PowerPoint, Access.

**Certifications:** Azure Fundamentals, Azure Administrator Associate , Edureka Full Stack Web Development .

## Technical Experience

### CSU Dominguez Hills

Jan 2024 - May 2024

Volunteer Software Development Intern

Carson, CA

- Designed UI prototypes using Figma based on client requirements.
- Engineered dynamic and responsive front-end using Vite and React.js, transforming concepts into seamless digitally engaging web experiences.
- Demonstrated strong communication and problem-solving skills, effectively communicating with stakeholders to gather requirements and address feedback throughout the development process.

### Cognizant Technology Solutions

Oct 2021 - Jul 2022

Programmer Analyst

Bangalore, India

- Actively participated in the execution of performance testing strategies, ensuring the robustness and scalability of software applications under various load conditions.
- Applied Selenium automation to administer end-to-end tests for an e-commerce website, perfecting efficiency by constricting testing time by 35% and maintaining a 98% accuracy rate in adding items to cart, applying discounts, and checkouts.
- Collaborated closely with automation team to complete 50 automated test cases for a critical e-commerce project, employing Jira for efficient task management and issue tracking, expediting testing cycle.
- Implemented automated performance testing tools such as LoadRunner and JMeter to conduct comprehensive performance testing activities.

## Projects

### Bug Fixing Application | *ReactJS, React-Bootstrap, Java, PostgreSQL, Tomcat*

- Developed a dynamic web application designed to streamline the process of reporting, tracking, and resolving software bugs. This platform facilitated seamless communication between users facing issues and technical support teams. Key features included user authentication, bug reporting with priority levels, and real-time status updates.
- Collaborated with a team and employed ReactJS for the responsive front-end and Java for back-end, utilizing JDBC for reliable database interactions with PostgreSQL, and deployed the service on a Tomcat server, ensuring scalable and secure application performance.
- Implemented React-Bootstrap for intuitive UI/UX designs, enhancing user engagement. Achieved significant improvement in bug resolution times and user satisfaction in software maintenance workflows.

### ECommerce React Application | *ReactJS, NextJS, JavaScript, Sanity, Stripe, SQL*

- Developed and deployed a fully responsive e-commerce website utilizing React's Context API and Stripe for seamless payment processing, including product management and shipping rate calculations.
- Implemented advanced data fetching techniques, enabling server-side rendering and static generation to optimize website performance and user experience.
- Leveraged Next.js to achieve static rendering for all webpages, enhancing load times and overall site efficiency.
- Utilized Sanity CMS to dynamically customize and manage all web page elements, ensuring seamless content updates and site maintenance.