

# SOWMITH SRIPADI

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## EDUCATION

**Florida International University**  
Master of Science, Computer Science

**Miami, Florida**  
Cumulative GPA: 3.67

## EXPERIENCE

### Accenture

Full Stack Developer

**Hyderabad, India**

August 2021 - December 2022

- Developed responsive UI components such as sliders, drop-down menus, and pagination controls using **React.js**, **Redux** for state management, and **React Router** for seamless navigation, resulting in an 18% increase in user satisfaction.
- **Streamlined** MySQL databases, applying advanced indexing and complex joins, which improved query performance by 30%, enhancing overall data retrieval efficiency.
- Integrated **RESTful APIs** into applications to streamline data exchange between front-end interfaces and back-end systems, reducing data retrieval latency by 25% and improving application performance for over 5000 daily users.
- **Collaborated** with cross-functional teams, including designers and back-end developers, to deliver fully integrated web applications, resulting in a 15% reduction in development time.
- **Devised** reusable front-end components using React.js, reducing code duplication by 20% and improving maintainability.
- **Optimized** application performance by implementing lazy loading and streamlining asset delivery, reducing page load time by 30%.

### Florida International University

Teaching Assistant

**Miami, Florida**

May 2023 - December 2024

- Created supplementary instructional materials and interactive modules, improving student engagement and comprehension by 25%.
- Guided undergraduate students through advanced coursework and practical applications, leading to a 30% improvement in midterm assessment scores.

## PROJECTS

### SocialCart | [http://github.com/SowmithSripadi/SocialCart](https://github.com/SowmithSripadi/SocialCart)

- **Developed** a social commerce platform leveraging WebSocket and Redux to facilitate real-time collaborative shopping experiences, increasing user engagement by 40%.
- **Deployed** a live chat system within a shared cart session using Socket.io and Redux, enabling over 500 users to communicate in real-time while jointly managing the cart.
- **Revitalized** the platform's UX/UI by designing intuitive, user-friendly interfaces and workflows, leading to a 35% improvement in session duration.
- Leveraged **MongoDB** with **Mongoose** for optimized data storage and organizing over 500 unique product details, including images, categories, and pricing. This setup ensured efficient data management and scalability of the platform, reducing query response times by 30%.

### TriedAndTested | [http://github.com/SowmithSripadi/TriedAndTested](https://github.com/SowmithSripadi/TriedAndTested)

- **Created** a blogging platform **integrating AI** for generating visuals, which increased user engagement rates by 20%. The AI-generated visuals offered tailored and visually appealing content for users.
- **Designed** scalable RESTful APIs and **established** a modular architecture, improving backend maintainability and scalability.
- **Managed** over 5000 API requests during testing, leveraging **Node.js** to improve server response times by 25% and streamline development processes.
- **Incorporated** middleware integration techniques for user authentication and validation, strengthening security by 40% and ensuring robust app stability under peak traffic of 100 concurrent users.

## SKILLS

- **Programming Languages:** JavaScript, HTML, CSS, Python, C++, C, Lua, Java, SQL
- **Libraries & Frameworks:** React.js, Redux, Flux, Node.js, Express, EJS, Socket.io
- **Styling & UI:** CSS Modules, Styled Components, Tailwind CSS, Bootstrap, Material UI, Shadcn
- **Build, Tooling & others:** Vite, npm, Git, GitHub, Linux, Docker, Postman, MySQL, MongoDB, Canva, Figma, Wordpress
- **Concepts & Methodologies:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Agile/Scrum Methodologies, WebSockets, NoSQL, REST API, CI/CD