

Sujitraj Thirumurthy

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EDUCATION

University of Texas at Arlington, TX

Aug 2021 - May 2023

Master of Science in Computer Science GPA: 3.83/4.0

Anna University, Chennai, India

Jun 2014 - May 2018

Bachelor of Engineering in Computer Science & Engineering

SKILLS

- **Programming Language:** Java, Python, C
- **Web Technologies:** HTML, CSS, JavaScript, React, Angular, Node.js, Flask, TypeScript, Postman
- **Frameworks & Libraries:** Redux, Spring Boot, Bootstrap, Matplotlib, Tkinter
- **Database:** MongoDB, SQL, MySQL
- **Operating System:** MacOS, Windows, Linux, Unix
- **Cloud Platforms:** Google Cloud Platform, Azure

WORK EXPERIENCE

Application Development Associate, Accenture Solution Pvt Ltd, India

Aug 2018 – Aug 2019

- Worked as a part of Accenture Explorer Application team to develop a Mobile application using ReactJS.
- Implemented different UI theme profiles for five Accenture operating groups based on the client login credentials.
- Added a welcome video component using videoJS Library which gives an introductory video from Accenture CEO to all clients visiting Accenture Delivery Centers in India.
- Implemented and optimized a Visitor dashboard component, displaying meeting and logistics information for scheduled clients visiting Accenture locations; enhanced client experience and streamlined communication workflow, resulting in a 15% reduction in visitor-related inquiries.
- Developed Java endpoints that connected with the backend database, enabling users to access meeting details with precision. This resulted in a 25% reduction in scheduling errors and a more user-friendly experience. Meeting information, including date, time, duration, participants, and agenda, was efficiently retrieved.
- Revamped the entire application to achieve mobile compatibility, leveraging Bootstrap and CSS media queries, resulting in a significant 35% increase in user satisfaction and engagement across mobile devices.
- Implemented and launched a push notification feature for Accenture facilities to proactively alert clients before scheduled meetings, resulting in a 40% reduction in missed appointments and improved client satisfaction.

Graduate Student Assistant – University of Texas at Arlington, USA

Oct 2022 - May 2023

- Developed comprehensive inventory management system utilizing advanced Excel functions; captured and organized key item details, quantities, locations, and relevant data, resulting in 50% reduction in stock discrepancies and improved order fulfillment accuracy.
- Regularly updated website content, including parking permit information, policies, and important announcements to provide accurate and up-to-date information to users, resulting in a 30% increase in user satisfaction and engagement.
- Designed and implemented an intuitive user interface for students, faculty, and staff to purchase parking permits, review parking policies, and check the availability of parking spots, resulting in a 20% increase in user engagement.

ACADEMIC PROJECTS

[Secure Web Applications and Programming](#)

Aug 2022 - Dec 2022

- Using Python Flask, a secure online application was created and developed, with protections against common security flaws like buffer overflow and session hijacking. credentials were hashed using the Secure Hash Algorithm 256, and a secure session token was kept active throughout the program.
- The application was developed using **HTML, SQL, Python Flask, Azure Cloud**

[Sorting Algorithms Analysis and Visualization](#)

Aug 2022 - Dec 2022

- Implemented a **GUI-based application** using **Python and Tkinter** to conduct comprehensive runtime analysis of sorting algorithms. Incorporated **Matplotlib** to visually present data through line charts and bar graphs, enabling users to gain valuable insights into algorithm efficiency and performance across various input sizes.

[Automobile Spares Inventory Management System](#)

Jan 2022 - May 2022

- Developed a SQL database to maintain an inventory of Automobile Spare Parts of different vehicle categories and developed business queries to analyze the sales of the spare parts.

Instawash

Aug 2021 - Dec 2021

- The project's primary goal was to develop a web application which allows user to place an order to pick up / deliver their laundry from their home and allow customer to subscribe to services offered by Instawash. Developed an Inventory registry which keeps tracks of all the equipment's in the laundry company. The application was developed using **HTML, CSS, JavaScript, React**

PROFESSIONAL ACHIEVEMENTS

- [Front-End Web UI Frameworks and Tools: Bootstrap 4 - Coursera](#)
- [Front-End Development with ReactJS, Express and MongoDB - Coursera](#)
- [Server-side Development with NodeJS, Express and MongoDB - Coursera](#)

May 2020 - Jun 2020

Jun 2020 - Jul 2020

Sep 2020 - Nov 2020