

SAI CHANAKYA PUTHALAPATTU

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Professional Experience

Cognizant Technology Solutions

Bengaluru, India

Programmer Analyst

September 2023 – Present

- Implemented the MERN (MongoDB, Express.js, React.js, Node.js) stack for website development, harnessing its powerful capabilities to create scalable and responsive web applications, enhancing user experience and streamlining development processes.
- Utilized the MERN (MongoDB, Express.js, React.js, Node.js) stack to build a robust and dynamic web platform, achieving seamless integration between the front-end and back-end layers for enhanced functionality and performance.
- Utilized Java, Selenium, and TestNG to implement comprehensive website automation testing strategies, ensuring robust functionality and reliability, thereby enhancing overall software quality and user experience.
- Crafted meticulous test scenarios and cases for manual functional and API testing, alongside developing automated functional and API testing scripts using Java, Selenium, and TestNG, ensuring thorough validation of system functionality and stability.
- Engaged enthusiastically in walkathon events, actively contributing to team efforts with a positive and friendly demeanor, fostering strong camaraderie and collaboration within the team dynamic.

Cognizant Technology Solutions

Bengaluru, India

Programmer Analyst Trainee Intern

Mar 2023 – Aug 2023

- Leveraged a comprehensive stack of technologies including Java, Selenium, TestNG, and Cucumber to engineer robust and efficient automated testing solutions, ensuring thorough validation of system functionalities and seamless integration of behavior-driven testing methodologies.
- Acquired practical knowledge in database management through hands-on experience with MongoDB, enabling effective data manipulation and retrieval for application functionalities.
- Showcased adeptness in front-end web development through the proficient utilization of HTML, CSS, and JavaScript, complemented by expertise in additional technologies such as Bootstrap and SQL. Furthermore, tackled diverse coding challenges in Java and SQL, fostering continuous skill enhancement and problem-solving capabilities.

Project

Full Stack Engineer - AGERO RSA (Roadside Assistance) Project

- Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), Fast API, JavaScript (ES6+), RESTful APIs, Git.
- Developed a robust and dynamic web platform leveraging the MERN stack to deliver a seamless user experience and efficient backend performance.
- Designed and implemented scalable, reusable, and maintainable frontend components using React.js, ensuring responsiveness and an intuitive user interface across devices.
- Optimized backend systems with Node.js and Express.js to maintain high performance, scalability, and reliable integration between various layers of the application.
- Utilized MongoDB to create a highly efficient, schema-flexible database, supporting complex queries and data aggregation for real-time insights.
- Focused on code reusability, modular design principles, and consistent styling, enabling streamlined development processes and ease of maintenance.
- Integrated RESTful APIs to ensure seamless communication between the frontend and backend, enhancing data handling and feature implementation.
- Applied Agile practices to deliver iterative improvements and maintain alignment with business requirements, achieving improved deployment cycles and system reliability.
- Contributed to end-to-end testing and debugging, ensuring the delivery of a production-ready application with minimized downtime.

Corporate Contributions

Advanced Python Logging System | *Python, JSON, Logging, Decorators, Performance Monitoring*

- Developed a customizable logging framework in Python using the logging module and python-json-logger for structured, JSON-formatted logs.
- Implemented method-level logging with decorators for tracking execution start, end, and duration.
- Enhanced logs with dynamic attributes (region, environment) and context (file, function, module) for improved debugging and performance monitoring.

AGERO Rider Automation Framework | *Java, Selenium, TestNG*

- Developed an automation framework using Selenium, Java, and TestNG in a Maven project. Implemented data-driven testing with Excel integration for dynamic test data.
- Maintained modular scripts for each webpage and generated comprehensive reports detailing test results, including pass/fail counts and error logs.

Personal Projects

Food Order Website | *yummyorderit.netlify.app* | *React, Express.js, MongoDB, Node.js, Bootstrap*

- Developed a dynamic MERN stack project, crafting a food ordering website enriched with functionalities including user authentication, account creation, and admin capabilities.
- Leveraging React for the front end, MongoDB for data storage, and Express.js for route creation, the website encompasses key features such as login, signup, cart, my orders, admin, home, and menu pages. Bootstrap was utilized for ensuring responsiveness across various devices.
- The menu page dynamically renders food items from the database, offering users the ability to add or remove items from their cart in real-time. Additionally, a search functionality has been integrated to enable users to conveniently search for specific food items.
- Users can seamlessly log in with credentials or create an account, with user data securely stored in MongoDB. Order history is elegantly displayed on the "My Orders" page, enhancing the overall user experience of the platform.

My Personalized Portfolio | *chanakyamyporfolio.netlify.app* | *HTML, CSS, Javascript, Bootstrap, React.js*

- Crafted a personalized portfolio website utilizing a combination of HTML, CSS, JavaScript, Bootstrap, and React technologies. The portfolio showcases comprehensive details about myself, including my background, skills, projects, and contact information.
- Leveraging HTML and CSS for structure and styling, JavaScript for interactivity, Bootstrap for responsiveness, and React for dynamic components, the portfolio offers a seamless and visually appealing user experience.

Quizzify: Engaging Quiz Application Powered by Salesforce LWC | *Salesforce LWC*

- Developed a sleek and intuitive quiz application using Salesforce Lightning Web Components (LWC), featuring a polished UI/UX design. The application seamlessly retrieves question and answer data from a JSON file, dynamically presenting quiz content to users.
- Upon completion of the quiz, the application provides instant feedback, displaying the user's score and performance. This user-friendly interface enhances engagement and facilitates an enjoyable quiz-taking experience.

Education

Sree Vidyanikethan Engineering College

Bachelor of Technology in Electrical and Electronics Engineering (GPA: 8.0 / 10.00)

Aug 2019 - Jun 2023

Tirupati, India

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, Salesforce Apex, Salesforce LWC

Technologies: React, Bootstrap, Fast API, Express.js, Node.js, Selenium, Playwright, TestNG, Cucumber

Database: MySQL, MongoDB

Developer Tools: Power Automate, Maven, Git

Certifications

The Joy of Computing using Python NPTEL Certification

Salesforce Developer Certificate

Wordpress Developer Certificate