

Sri Sai Charan Kachavarapu

Experienced software engineer focused on building applications that solve real-world problems. Proficient in collaborative teamwork to deliver high-quality solutions.

Relevant Experience

Graduate Student Assistant, **University at Buffalo** Jun 2023 – Aug 2023

- Assisted prof Dr. Arman Falahati in MGS 613: Database Management Systems course.
- Guided students in grasping complex concepts and to solve intricate SQL queries.
- Graded student's final projects, presentations & reports, which accounted for 30% of their final grade, and provided feedback.

Freelance React.js Developer, **Fiverr** Mar 2022 – Aug 2023

- Utilized a technology stack including React.js, Redux, SQL, Express.js and Node.js to spearhead completion of 5 web projects for clients across 5 countries.
- Orchestrated diverse web projects – crypto tracker, interactive course platform, schedule management system, and responsive cloud meetings interface.
- Transformed Figma UI wireframes and designs into production ready re-usable React components with Redux at core and Material UI on the surface.
- Owned the entire development lifecycle for all applications, integrating NodeJS APIs, and implementing CI/CD pipelines, securing 100% client satisfaction.

Software Developer, **SimplifyVMS** Jun 2021 – Jun 2022

- Developed a job platform for businesses to source contingent workers with React, Java 17, SpringBoot, and MariaDB.
- Integrated RESTful APIs using Axios, leveraging interceptors to optimize request handling and caching for reduced server load.
- Demonstrated proficiency in React routing, event handling and lifecycle methods to craft responsive and performant web interactions.
- Enhanced performance by optimizing SQL queries and Hibernate. Improved query times from several sec to milliseconds with Spring Data JPA & MariaDB.
- Wrote unit and integration tests with JUnit, Mockito and performed code reviews.
- Achieved Star of the Sprint Award for effective communication & contribution.

Freelance Web Scraper & Automator, **Upwork** Jan 2022 – Jun 2022

- Worked on web-based code/python scripts to automate the time-consuming task related to Web Automation, Web Scraping and content generation.
- Developed 'Auction Auto-bidder bot', 'Automatic content generation tool using OpenAI Api and scraped data' etc. securing 100% customer satisfaction.

Web Scraping Intern, **Automize Apps** Jun 2020 – Dec 2020

- Engineered scripts to efficiently scrape information & store scraped information in SQL from e-commerce giants Amazon, Flipkart etc. utilizing Python, Requests & Selenium.
- Employed functionalities of cronjobs to automate, and streamlined above process further within a google cloud (GCP) Linux environment.

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portfolio

Education

University at Buffalo, SUNY

Aug 2022 – Dec 2023

Masters in Computer Science. Software Eng Focus & Artificial Intelligence Minor.

CVR College of Engineering

Jun 2018 – May 2022

Bachelors in Computer Engineering.
Software Engineering Minor.

Skills

Programming Languages

Python, Java, C/C++, JavaScript, TypeScript, SQL

Libraries & Frameworks

ReactJS, Redux, ExpressJS, Spring Boot, NodeJS, Tailwind CSS, PyTorch

Tools & Others

Tableau, Github, Docker, MySQL, PostgreSQL, AWS, Figma, Hibernate, Selenium, REST, Agile, UI, UX, Linux

Projects

Urologic Healthcare Platform

A patient-doctor-admin portal, enabling patients to schedule appointments, follow care plans and chat with doctors, while providing doctors with the ability to prescribe medications. React.js for frontend, Spring Boot & SQL for backend.

Raj Rentals Web Application

Designed & developed a housing platform for college students in Buffalo, offering affordable homes using React.

Solved Atari Pong Env using DRL

Applied Deep Reinforcement Learning Algorithms – DQN, DDQN, A2C, PPO resulted in agent to play at a superhuman level.