SRIKAR CHOWDAVARAPU

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EDUCATION

Georgia State University   Expected May 2022
Master of Science in Computer Science, *GPA 3.88*
Relevant Coursework: Advanced Software Engineering, Advanced Database Systems, AI, Advanced Algorithms, Computational Intelligence, Big Data Programming

NIIT University   2014 - 2018
Bachelor of Engineering in Computer Science, *GPA 3.7*

CORE SKILLS

Project Management — Product Development — Front End Development — Software Development Life Cycle — React — Java — Javascript — Data Visualization/Modeling — Application Architecture — Web Applications — Debugging — Performance Tuning — A/B Testing — CI/CD Maintenance — Web/Browser Technologies — Platform Architecture— Mentorship — Client/Server-Side Frameworks — Web Services — Browser APIs

EXPERIENCE

Graduate Research Assistant   Jan 2021 - Present
Georgia State University   *Atlanta, GA*

- Enabled detection and retrieval of cyber threat actor information by creating Facebook and Twitter scrapers, using Python, Scrapy, BeautifulSoup, NetworkX, MySQL, Node JS, and Java.
- Reduced scraping time by 40% by implementing request throttling, multi-threading, and job start/pause features.

Senior Software Engineer: Frontend   Dec 2019 - Jan 2021
Razorpay   *Banglore, India*

- Architected and implemented various engineering initiatives in collaboration with managers, designers, and other teams, and led team initiatives.
- Developed efficient front-end systems driving complex web applications, using React, React-Native, JavaScript, Node JS, Docker, GraphQL, Travis CI, Sentry, GitHub Actions, Styled Components, and webpack.
- Delivered rich data analytics and insights to the Product and UX teams to analyze user behavior, identify bottlenecks and improved the drop-off rate by 20% by providing a better onboarding experience.

Software Engineer   Jul 2018 - Dec 2019
Bizongo   *Banglore, India*

- Incorporated design system(reusable component library) complying with design principles, providing functional and visual components used in different web applications in a central location within the organization.
- Delivered robust, flexible, well-documented components with good DX to developers, using React, React-Native, JavaScript, Styled-Components, Theme-provider, Google Analytics, and Travis CI.
- Reduced load-time by 30% by introducing route-based bundle splitting with webpack.
- Designed and developed architecture enabling microservices implementation in front-end web applications.

ACADEMIC PROJECTS

Gauging the Stock Market Movement with Twitter Sentiment Analysis

- Delivered a product that shows any correlation between tweets sentiment and the stock market movement in a particular time frame with 71% accuracy.
- Automated the tweets extractor program which requires 0% manual intervention which and run by configuration.

State Machine Builder as a Utility(NPM Package)

- Created and published javascript library in NPM which enables developers to build complex state machines easily in a declarative way and can be used along side different framerworks like react, vue, electron, react-native etc..