

RAGHURAM SADINENI

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EDUCATION

Louisiana State University

Masters in Computer Science

Baton Rouge, LA

JAN. 2022 – Dec. 2023

Koneru Lakshmaiah Education Foundation

Bachelor of Technology in Computer Science Engineering

Vijayawada, India

Aug. 2016 – May 2020

EXPERIENCE

Software Developer II

Jan. 2024 – Present

Turner Industries Group LLC

Baton Rouge, LA

- Collaborated effectively on the development of innovative features for AppBuilder, transforming it into a dynamic tool that streamlined form creation and management for thousands of employees, boosting operational efficiency and user satisfaction.
- Maintained and enhanced Turner employees' portal and Benefits portal by developing new modules, fixing bugs and improved portal functionality.
- Designed and implemented a Retro app for internal retrospective cohort analysis, empowering internal teams with actionable insights and improvement in process optimization and decision-making accuracy.

Graduate Research Assistant

Jan. 2022 – Dec. 2023

LSU Department of Physics and Astronomy

Baton Rouge, LA

- Key contributor to the design and development of "BRBytes," a comprehensive course management platform for Baton Rouge high school students. Revamped backend, replacing Java with PostgREST, achieving 50% boost in performance, unmatched system reliability, and robustness.
- Built an autograder system to automate grading process for hundreds of exercises and activities in "BRBytes".
- Enhanced teacher's lesson creation experience by developing reusable HTML templates, providing a wide range of user-friendly features, and significantly expanding options for creating engaging and interactive lessons with ease.

Full Stack Engineer

Jun. 2019 – Dec. 2021

QueryNow

Hyderabad, India

- Launched an Enterprise E-Commerce application that revolutionized customer shopping experience by incorporating visual search features using Vision API and Dynamics 365 Commerce. The platform achieved a 30% increase in customer engagement, leading to a significant boost in sales and overall customer satisfaction.
- Created a Single Page Application for restaurants to monitor customer data during the COVID-19. Completed the project within a tight 2-month timeframe, facilitating swift adaptation to health protocols and ensuring a safe dining experience.
- Developed custom Power Apps for clients to streamline data management and services. These applications were integrated with Power Automate and SharePoint, enhancing data storage and accessibility, as well as automating key processes.
- Implemented User Authentication, Enterprise Search, and News Recommendation in Exalt, increasing user engagement by 40%. Migrated front-end code from Angular 7 to 11, achieving code reliability.

Intern

May. 2019 – Jun. 2019

Technovert

Hyderabad, India

- Successfully launched a highly secure and user-friendly feature within the core product, driving a remarkable 30% increase in user engagement. This key addition enabled seamless storage and display of organization members information.
- Leveraged Angular, .NET Core and Petapoco ORM to create a robust system and seamless database integration enhanced my web development skills.

PROJECTS

BrBytes Editor | *Typescript, Sveltekit, EditorJS, UnifiedJS*

May 2023

Developed a user-friendly WYSIWYG editor using EditorJS, enabling teachers to effortlessly create engaging lessons. Integrated into the BrBytes ecosystem, resulting in a 80% increase in lesson creation efficiency and positive feedback from 95% of teachers.

Shift Reduce Parser | *Typescript*

February 2022

Created a user-friendly web app utilizing TypeScript to implement a shift-reduce parser. The app parses strings based on a pre-defined context-free grammar, displaying the final goal state. Perfect for anyone interested in shift-reduce parsing.

Distributed Health Care Management System | *OpenMRS, OpenERP, OpenELIS, JavaScript, MongoDB*

June 2019

Successfully deployed the Bhamni open-source healthcare management system in a public hospital, Slashed patient wait times by 75% through implementation of face recognition technology for efficient patient record retrieval in OpenMRS.

TECHNICAL SKILLS

Languages: Python, Typescript/JavaScript, C#, HTML/CSS, SQL.

Frameworks: Svelte, SvelteKit, Ionic, React.js, Angular, Alpine.js, Astro.js, React Native, .NET Core, Express, Node.js, Sharepoint Framework(SpFx), PostgREST, Tailwind CSS, Material UI.

Developer Tools: Git, Selenium, Weka, Cypress, Auth0, MySQL/PostgreSQL/SQLite, Firebase, Microsoft Power Apps, Microsoft Power Automate, Azure.