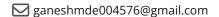# Ganesh Maddula

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PROFILE SUMMARY

Full-stack developer with 2.5+ years of experience in designing, developing and deploying scalable applications using React, .Net and Azure. Strong problem solving abilities and quick to adapt to new technologies, consistently delivering innovative and high-quality solutions following Agile methodology.

SKILLS

- **Languages:** C/C++, C#, JavaScript, TypeScript, SQL, Python
- **Technologies:** React Js (Material-UI), JQuery, .NET MVC, .NET, Azure, SQL Server
- **Testing Tools:** Postman, Jest, Moq, Selenium, WebdriverIO
- **Core Skills:** Data structures and algorithms

WORK EXPERIENCE

Blue Yonder, Hyderabad

Software Engineer   July 2023 - Present

- Built a React-based web application from scratch integrated with .NET MVC API controllers, deploying both the front-end and back-end on Azure for scalable performance.
- Migrated legacy desktop application code from C++ to C#, enabling long-term support and scalability for future feature enhancements.
- Simplified and restructured the React codebase by implementing code splitting and creating shared and atomic components to improve maintainability and readability.
- Designed a database schema by establishing relationships between data models, ensuring efficient querying and optimized performance.
- Developed a console application to convert Allure test results into offline Extent Reports, eliminating the need for hosting and reduced hosting costs.
- Integrated REST APIs for a web application to facilitate seamless data transfer.
- Tested API endpoints by validating response data with Postman and Swagger.

Associate Software Engineer   July 2022 - July 2023

- Implemented new features and functionalities for AI-driven web application using React (Hooks, Redux, Saga) for front-end and .NET MVC for the back-end.
- Embedded accessibility features by integrating ARIA attributes, keyboard navigation, screen reader support (JAWS) and other WCAG (Web Content Accessibility Guidelines) standards to improve usability for users with disabilities.
- Resolved UI/UX bugs to improve overall interface consistency and user experience.
- Created reusable custom React hooks to dynamically set container max height based on screen resolution.
- Developed an MFC-based window to implement new feature in windows application.
- Reduced test execution time from 25 hours to 11 hours by implementing automation workflows and incorporating parallel execution strategies.
- Enhanced test coverage and code quality by developing unit tests in C# using MOQ for back-end and Jest for front-end components.

EDUCATION

NIT, Allahabad

B.Tech in Electronics and Communication Engineering - 8 GPA   2018 - 2022

KEY PROJECTS AND ACHIEVEMENTS

Planogram Viewer   2024

- Developed a dynamic React web application to render planograms from Excel data, either uploaded by users or fetched from Azure Blob Storage (Saved data). Built microservices using .NET MVC to send data to the web app. Hosted both the web application and services on Azure to ensure seamless integration and scalable deployment.

End-to-End Automation Workflow   2023

- Optimized web application testing process by reducing the execution time by 60%. Implemented an automated test execution workflow, covering test data generation with Postman APIs, report hosting on Azure, and alert notifications via email and Microsoft Teams. Scheduled weekly test runs using Windows Task Scheduler.