KURMATHI SAI PRAKASH REDDY

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SUMMARY

Software development professional with around 2 years of experience building performant, scalable web applications in product-based environments. Proficient in developing end-to-end solutions using modern front-end frameworks (ReactJS), backend technologies (Node.js, .NET Core), and RESTful APIs. Strong understanding of system architecture, database optimization (SQL Server), and clean, maintainable code. Passionate about leveraging technology to solve complex problems and continuously improve software quality

SKILLS

Programming Languages - C#, Python, Java, C/ C++, HTML
Web Development - React JS, JavaScript, Ext JS, React Native, Node.js
Database Management - SQL Server, LINQ, SQLite, MySQL, NoSQL
APIs and Services - Swagger, Postman, ASP.NET MVC, Django, RESTful APIs
Cloud and DevOps - Cloud Computing, DevOps, AWS
Version Control - Git, Jira, Confluence, Webpack, npm

PROFESSIONAL EXPERIENCE

Software Engineer I, NCR Corporation Pvt. Ltd   Jan 2022 - July 2023

- Contributed to the modernization of a leading hospitality software product (Aloha Cloud), delivering full-stack solutions across UI, API, and database layers.
- Led the revamp of a legacy Ext JS and .NET Core Web API system into a modern ReactJS and NodeJS application, achieving approximately 50% improvement in performance, scalability, and user experience.
- Designed and developed reusable React components, reducing development time and improving code maintainability across both new and legacy systems. Boosted overall software performance by 30% through proactive identification and resolution of critical code bottlenecks and inefficiencies.
- Developed robust, scalable, API-centric architectures, supporting seamless integrations and future-proofing the platform.
- Optimized database queries using LINQ and SQL Server, achieving approximately 50% faster and more efficient data retrieval.
- Applied Test-Driven Development (TDD) methodologies, maintaining clean code, improving code reliability and reducing bug rates through comprehensive automated and functional testing coverage.
- Actively participated in Agile development practices, including daily stand-ups, sprint planning, reviews, and retrospectives, fostering strong team collaboration.
- Contributed to successful software releases, including new version deployments, feature enhancements, and critical bug fixes.

Web Development Intern, The Sparks Foundation   Nov 2020 - Dec 2020

- Developed a basic banking application using JavaScript, HTML, and CSS to demonstrate core banking functionalities such as balance inquiry, and fund transfer.
- Deployed the static web application on GitHub Pages, achieving over 100+ views within the first month and demonstrating proficiency in frontend deployment workflows.
- Managed source code with Git, maintaining a clean commit history and facilitating collaboration and version control best practices.

PROJECTS

CraveKart Link   **Apr 2025 — May 2025**

Designed and developed a full-stack web application for online food ordering and delivery, enabling seamless interaction between customers, restaurants, and delivery services.

A Unified approach for visual emotion recognition   **Jan 2022 - Apr 2022**

Using Machine Learning and Deep Learning techniques, built a web application with Flask framework that takes user input in the form of image and redirects to recommended website based on visual emotion.

Listenit (Music Application)   **Aug 2020 - Nov 2020**

Built a cross platform mobile application using React Native and Expo framework.

EDUCATION

Master of Science in Computer Science   **Aug 2023 - May 2025**
University of Central Missouri, USA

- GPA: 3.70

Bachelor of Technology in Computer Science   **June 2018 - May 2022**
KL University Hyderabad, India

- GPA: 9.1

CERTIFICATIONS

- Artificial Intelligence Foundations - NASSCOM
- DevOps & Cloud Computing - Bytexl
- AWS SysOps Associate Certification Training - Simplilearn
- Python for Data Science And AI, Coursera IBM