

KURMATHI SAI PRAKASH REDDY

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PROFESSIONAL SUMMARY

Software Engineer 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 (React, React Native, JavaScript and TypeScript), and backend technologies (Node.js, Python, .NET Core, SQL Server, AWS, Git 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.

EDUCATION

University of Central Missouri

Master's, Computer Science

August 2023 - May 2025

GPA: 3.7

KL University

Bachelor's, Computer Science

June 2018 - May 2022

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
- Generative AI: Introduction to Large Language Models

WORK EXPERIENCE

NCR Voyix

Software Engineer I

Hyderabad, AP, India

January 2022 - July 2023

- Contributed to the modernization of a leading hospitality SaaS 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 TypeScript application, achieving approximately 50% improvement in performance, scalability, and user experience. Designed and developed reusable React components, reducing development time and improving state management, code maintainability across both new and legacy systems following security compliance.
- Boosted overall software performance by 30% through proactive identification and resolution of critical code bottlenecks and inefficiencies. Developed robust, scalable, API-centric architectures leveraging cloud infrastructure, 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, Cross-functional teams, including daily stand-ups, sprint planning, reviews, and retrospectives, fostering strong team collaboration with effective communication and developing interpersonal skills.
- Contributed to successful software releases, new product features, including new version deployments, continuous integration, feature enhancements, and critical bug fixes.

The Sparks Foundation

Web Development Intern

Hyderabad, AP, India

November 2020 - December 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 showcasing Project management skills.
- Managed source code with Git, maintaining a clean commit history and facilitating collaboration and version control best practices.

PROJECTS

ListenIt

Remote

August 2020 - November 2020

- Built a cross platform mobile application using React Native and Expo Go framework.
- [Link to project](#)

CraveKart

Remote

April 2025 - May 2025

- Designed and developed a full-stack web application for online food ordering and delivery using Python, Django, Bootstrap, CSS and SQLite
- Enabling seamless interaction between customers, restaurants, and delivery services.
- [Link to project](#)

A Unified approach for visual emotion recognition

Remote

January 2022 - April 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.

Portfolio

Remote

July 2025 - July 2025

- Developed a personal portfolio website using React JS, Tailwind CSS, and Git.
- [Link to project](#)

SKILLS

Skills: C#, Python, Java, HTML/CSS, JavaScript, React.js, React Native, Node.js, MySQL, NoSQL, Postman, Django, REST APIs, Development Operations (DevOps), AWS, Git, JIRA, Confluence, Webpack, problem-solving, Redux, TypeScript, Jest, Data Structures, LLMs, Generative AI, Natural Language Processing (NLP), Deep Learning, C/C++, data visualization, cloud technologies, Microsoft Azure

Interests: Truly excited about the future of AI. I'm eager to learn and grow with new technologies like LLMs, Go, Ruby, GraphQL, Kubernetes, and MongoDB. Even if I haven't worked with all of them yet, I'm ready to dive in and make meaningful contributions.