

# Saikiran Somanagoudar

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## EDUCATION

### Illinois Institute of Technology

Master of Science in Computer Science

Chicago, IL

August 2023 - August 2025

### Reva University

Bachelor of Technology in Computer Science

Bengaluru, India

June 2015 - August 2019

## PROFESSIONAL EXPERIENCE

### Software Engineer

October 2025 - Present

CrowdDoing, Chicago, IL

- Developed new interactive UI components and features for the AIME/Imagination Project web application using React and Next.js, creating reusable component libraries that improved team workflow efficiency by 30%
- Built responsive data visualization dashboards integrating Django backend APIs, implementing efficient state management and data fetching that reduced rendering time by 40% and enhanced user experience for research teams
- Enhanced application performance by 25% through frontend optimization techniques including code splitting, lazy loading, and component rendering improvements while implementing automated testing pipelines and Docker-based CI/CD processes to ensure consistent quality standards

### Senior Software Engineer

September 2019 - June 2023

Wipro Technologies, Bengaluru, India

- Spearheaded the migration of 30+ client-facing applications to AWS hybrid cloud, optimizing responsive design and frontend performance to reduce downtime by 25% and enhance user experience across multiple platforms
- Built and deployed interactive single-page application components using React with advanced state management and asynchronous process handling, reducing page load times by 15% and improving overall application performance
- Integrated AI-powered AWS CodeGuru to automate CI/CD workflows and code review processes for multiple web applications, reducing manual intervention by 50% and improving deployment reliability
- Engineered UI/UX enhancements for enterprise React web applications with server-side rendering implementation, optimizing component rendering efficiency, increasing average user session duration by 20% while reducing bounce rates
- Collaborated with product stakeholders following agile methodologies to gather requirements and translate them into technical specifications, conducting comprehensive unit and integration tests while participating in code reviews to maintain quality standards

## PROJECTS

**GIF Enigma** | React, TypeScript, Devvit, Gemini 2.0 flash lite, Redis **September 2025 - October 2025**  
GitHub | [r/PlayGIFEnigma](https://github.com/r/PlayGIFEnigma)

- Engineered Reddit-native word guessing game achieving 143K+ views and 1.2K daily users with official r/GamesOnReddit Launchpad feature placement, demonstrating ability to build innovative applications and ship engaging user-facing features
- Developed clean, efficient, and well-documented TypeScript code while integrating Gemini AI for intelligent word generation and hints, creating intuitive AI-assisted workflows that enhanced gameplay experience
- Architected dual-mode gameplay with real-time leaderboards using Redis, showcasing ability to design scalable component systems and state management for interactive, data-heavy single-page applications

## TECHNICAL SKILLS

**Languages & Frontend:** JavaScript, TypeScript, Python, Java, React.js, Next.js, Redux, HTML, CSS, Tailwind CSS

**Backend & Databases:** Node.js, Django, Flask, FastAPI, RESTful APIs, GraphQL, PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, S3, Lambda, CloudFront, CodeGuru), Docker, CI/CD, Jenkins, Kubernetes

**Tools:** Git, Jest, LangChain, LLM Integration, LLM Observability, Agile/Scrum