



Sruthi Krishnakumar

Web Application Developer

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About Me

A driven and motivated individual with strong communication and collaboration skills, consistently delivering high-quality solutions on time in fast-paced environments. A continuous learner who adapts quickly and enjoys taking on new challenges.

Technical Skills

- **Frontend:** React, Redux, Next.js, JavaScript, TypeScript
- **Backend:** Python (Flask, FastAPI), Node.js (Express), REST API design
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis (caching), Liquibase (versioning)
- **Testing:** Jest, Vitest, Python unittest framework
- **Tooling & Platforms:** Git, GitHub, Postman, Swagger, Grafana, Jenkins
- **UI Design & Prototyping:** Figma (wireframes, prototypes), Canva
- **Engineering Practices:** Agile/Scrum, Jira, AI-assisted development and prompt engineering

Professional Experience

Saama Technologies

- **Software Engineer | April 2025 - Present | Coimbatore - Hybrid**
 - Collaborated with product managers and cross-functional teams to deliver end-to-end features, owning UI/UX refinement, HLD/LLD design, frontend and backend development.
 - Planned and implemented Micro-Frontend architecture using Module Federation, enabling dynamic component sharing across applications and reducing code duplication.
 - Built and integrated reusable cross-platform components via NPM libraries, improving consistency, maintainability, and overall user experience.
- **Associate Software Engineer | June 2023 - April 2025 | Coimbatore - Hybrid**
 - Contributed to frontend development for Smart Series products, delivering new features and meaningful enhancements aligned with product requirements.
 - Improved application performance through code optimization, refactoring, and efficient state management, resulting in faster load times and smoother UI interactions.
 - Integrated and configured third-party libraries (e.g., Pendo) and internal platform components to enhance product functionality and user experience.
 - Integrated and maintained a testing framework, improving product stability and reducing defects.
- **Student Intern | April 2022 - June 2023 | Coimbatore - Remote**
 - Contributed to feature development and bug resolution delivering effective and reliable solutions.
 - Developed responsive user interfaces while practicing Agile methodologies and iterative development, gaining hands-on industry experience.
 - Authored and maintained technical documentation to support development, onboarding, and operational workflows.

InfraStack-Labs Technologies Pvt Ltd

Internship Program | May 2021 – August 2021 | Bangalore – Remote

- Created and managed Virtual Machines, configured firewall rules, and performed debugging of Apache + SELinux environments.
- Gained hands-on experience with infrastructure troubleshooting, system-level debugging, and Linux-based environments.

Projects

Automated Error Log Analyzer

Tech: React, Python Flask, Grafana, Claude AI, Langchain

- Built a scalable AI-powered error log analysis system that retrieves application logs from Grafana for a given time range and processes them for structured analysis.
- Leveraged Claude (AI) to perform automated error analysis, summarize failures, infer probable root causes, and generate fix recommendations.
- Designed a metrics-driven dashboard to track error frequency, severity, and context, enabling week-over-week analysis of error trends and rates to improve system health visibility.
- Enabled in-context debugging by integrating GitHub repository links directly into the dashboard, reducing tool switching during investigation.

Automated PDF Form Filling & Validation System

Tech: React, Python Flask, MongoDB, Open API, PyMuPDF, Pytesseract

- Developed and implemented an end-to-end PDF form automation workflow, including parsing, field extraction, and structured form representation.
- Used AI-driven analysis to interpret form intent, collect user inputs via a conversational interface, and prefill fields using contextual document data.
- Added an AI-based validation layer to verify completed forms, generate a completion summary, and provide a confidence score for accuracy.
- Improved usability by minimizing manual form filling efforts from the user while maintaining data correctness and traceability.

Education

Kumaraguru College of Technology

B.Tech Information Technology | August 2019 – June 2023 | Coimbatore

- Graduated with 9.20 CGPA – First Class with Distinction
- President (final year) & Secretary (pre-final year) of the Department Association
- Chairperson of KCT ACM Student Chapter
- Published research paper: "[A Survey on Sign Language Translator](#)" in IRJMETS
- Mahatma Gandhi Merit Scholar for 2 consecutive years

Awards and Recognitions

- CEO Award – Special Recognition, Saama Technologies (Nov 2025)
- High Impact Performer – Saama Technologies (May 2025)
- Shining Star Award – Saama Technologies (Jul, Oct, Nov 2022 & Aug 2023)
- Runner up – Saama Global Hackathon (Apr 2024)
- Best Outgoing Student – IT Batch 2023