

# Sirisha Nippani

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## Skills

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- Java, Python, PostgreSQL, Spring Boot, MongoDB, Microservices, CI/CD, Generative AI, Prompt Engineering, React, Google Cloud / GCP, AWS

## Experience

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**Software Engineer**, Informatica Business Sol.

Apr 2024 - Present

- Collaborated with engineering teams at California HQ to design and implement Java-based code improvements across global cloud-based SaaS microservices deployments, enhancing deployment efficiency by 30%.
- Optimized Java backend product performance by restructuring and re-architecting microservice-oriented systems, resulting in a 25% increase in application speed and scalability.
- Applied full-stack expertise, with a strong focus on backend systems, to identify and solve cross-functional software challenges, improving team productivity by 20% and mentoring junior engineers.

**Associate Software Engineer**, Informatica Business Sol.

Jul 2021 - Apr 2024

- Designed and implemented internal Java-based backend tools that streamlined root-cause analysis, reducing time by 30% and enhancing escalation workflows.
- Troubleshoot and resolved over 100 client-reported backend issues utilizing the ELK stack, boosting platform reliability by 25%.

**Engineering Intern**, Informatica Business Sol.

Sep 2020 - Jul 2021

- Resolved software defects through systematic debugging and root cause analysis, improving system reliability by 30%.

## Projects

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### [Pixels,Proses and Play](#)

- Engineered a Java backend web application using Spring Boot and Thymeleaf, developing RESTful APIs for content management, user authentication, and a scalable comment system.
- Designed database schemas to support dynamic content and user profiles, ensuring efficient data interactions.

### [DescriBot](#)

- A full-stack AI prototype that uses OpenAI's GPT models to automatically generate product descriptions.
- Built the application with a Spring Boot backend and a custom frontend, demonstrating a complete end-to-end workflow from local development to Docker-based cloud deployment on Render.

### [AI Commit Enhancer](#)

- Created a lightweight Python tool that generates smart, context-aware Git commit messages using OpenAI's GPT models to streamline developer workflows.

## Education

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**Institute of Technical Education and Research**, BE/B.Tech/Bs

2021

## Achievements

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Best Project in ML Internship: Expertshub

- Led a 10-member team to develop a machine learning-based calorie-tracking application. The project was recognized as the "Best Project Award" for the internship.
- Won Best Intern award for collaborating and completing a fully-fledged app within a short duration.

Best Intern in IOT internship: Expertshub

Runner Up in Shape Recognition Robot Challenge