

SIRISHA NIPPANI

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Work Experience

Product Specialist

Informatica — 2024–Present

- Collaborated with engineering teams at California HQ to design and integrate code improvements across global deployments
- Optimized product performance via code restructuring and system scalability enhancements
- Implemented debugging frameworks for multi-layer software issue resolution
- Applied full-stack expertise to identify and solve cross-functional software challenges

Associate Software Engineer

Informatica — 2021–2024

- Engineered **full-stack troubleshooting solutions** across diverse tech environments, boosting system reliability
- Built **integration components** linking support-identified issues to production-level improvements
- Implemented **database performance optimizations**, enhancing response times and efficiency

Software Engineering Intern

Informatica — 2020–2021

- Resolved software defects using **systematic debugging** and root cause analysis
- Documented and implemented **system improvements** across development pipelines
- Enhanced codebase by diagnosing and fixing complex failures across modules

Education

Bachelor of Technology (B.Tech), Computer Science

ITER, SOA University — 2017–2021

CGPA: 9.3 / 10

Skills

Languages	Python · JavaScript · Java · C · HTML · CSS · SQL
Frameworks	React.js · Node.js · Express.js · Bootstrap
Tools & Platforms	Git · GitHub · VS Code · Postman · IntelliJ IDEA · Jupyter
Databases	MySQL · MongoDB · SQLite
Cloud & DevOps	AWS · Docker · CI/CD (GitHub Actions) · Render


Projects

Portfolio Website

 sirishanippani.github.io/CV

- Built a static portfolio using **HTML, CSS, and JavaScript** to showcase skills and projects.
- Deployed via **GitHub Pages** with minimalist design and responsive layout.

Pixels, Proses & Play – Full-Stack Blog

 pixels-proses-play-461812.el.r.appspot.com

- Developed using **Spring Boot & Thymeleaf** with user auth, admin dashboard, and comment system.
- Deployed on **Google Cloud Platform** with a pastel-themed, dark-mode-enabled UI.

Open Source Contribution – Visual Studio Code (Microsoft GitHub)

 [250201](https://github.com/microsoft/vscode/pulls/250201)

- Currently contributing to #250201, focused on improving editor behavior for multiple empty selections.
- Actively analyzing VS Code's core behavior and proposing solutions via issue discussion and potential PR.

Additional Projects (Academic)

Chatbot using NLP

- Developed a conversational chatbot using Natural Language Processing (NLP) to simulate diner interactions.
- Implemented basic intent recognition and dialogue management using Python and open-source libraries.

Combat Robot

 [Visionbotz](https://github.com/Visionbotz)

- Configured ESC firmware, transmitter protocols (FrSky), and control mappings to ensure responsive motion in competitive robotic environments.
- Programmed navigation and safety logic for real-time maneuvering, focusing on software-driven control systems and radio calibration.

Stock Market Prediction

- Developed a machine learning model to analyze historical market data and predict stock trends.
- Used Python libraries like pandas, scikit-learn, and matplotlib for data preprocessing, model training, and visualization.