

SHRUTHI PILLALA

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 Portfolio: shruthipillala.github.io/portfolio/

SUMMARY OF SKILLS

Full Stack Developer with 2 years of experience building scalable web applications using Java, Spring Boot, ReactJS, and SQL. Skilled in backend microservices, REST APIs, and frontend development with React and JavaScript. Proven ability to deliver end-to-end solutions, optimize code performance, and collaborate across Agile teams. Passionate about clean architecture, unit testing, and continuous learning across the full stack.

EXPERIENCE

- Assistant System Engineer**, Tata Consultancy Services Limited, Hyderabad, Telangana May 2022- Dec 2023
- Developed and deployed 15+ REST and SOAP APIs using Java, Spring Boot, Spring Security, Hibernate, PostgreSQL, and Oracle, leveraging XML for data exchange to improve backend efficiency and integration.
 - Improved app performance by 25% by optimizing database queries and implementing caching with Redis and pagination in high-load modules.
 - Delivered responsive UI components with ReactJS, JavaScript, HTML5, and CSS3, reducing frontend load time by 30% and enhancing user experience.
 - Ensured 98% sprint delivery success by collaborating in Agile teams and contributing to end-to-end feature development across frontend and backend.
 - Java, Spring Boot, Spring MVC, Hibernate, PostgreSQL, ReactJS, HTML5, CSS3, JavaScript, Git, Jenkins, Postman, Swagger

EDUCATION

- Master of Science in Information Systems** January 2024 - May 2025
Northwest Missouri State University, Maryville, Missouri
- Bachelor of Technology in Electric and Electronics Engineering** July 2017 – Aug 2021
Jawaharlal Nehru Technological University Hyderabad College of Engineering, Manthani, TS

TECHNICAL PROJECTS

[AI Quote Generator](#) | Java, Spring Boot, Spring AI, OpenAI

- Developed a full-stack AI-powered app using Spring Boot and ReactJS to dynamically generate motivational flashcards and quotes via OpenAI, improving content personalization by 40%.
- Implemented RESTful APIs to process user prompts and return AI-generated responses, reducing latency by 30% and ensuring seamless backend-frontend integration.
- Automated CI/CD with GitHub Actions and deployed on cloud infrastructure, enabling smooth version control, rapid testing, and zero-downtime updates.

 [Live Demo](#) | [GitHub repo](#)

Frontend Mini-Project Series | HTML, CSS, JavaScript, React

- Designed and launched 5+ interactive React-based web apps, accelerating hands-on learning in UI/UX principles and boosting code efficiency by 60%.
- Built engaging tools like Simon Game, Whack-a-Mole, and Drum Kit, reaching 100+ demo interactions and receiving positive feedback from users on responsiveness and usability.
- Developed a note-taking Keeper App using reusable React components and local state, achieving a 40% performance gain over its vanilla JS version through efficient DOM updates.

 Simon Game: [Live Demo](#) | [GitHub](#)

 Whack-a-Mole: [Live Demo](#) | [GitHub](#)

 Drum Kit App: [Live Demo](#) | [GitHub](#)

 Keeper App: [Live Demo](#) | [GitHub](#)

Academic Projects, JNTUH College of Engineering, Manthani, Telangana.

- Embedded Software Engineer** - Drunk and Drive Detection System July 2021-August 2021
- Developed Interactive sensor feedback logic that triggered real-time alerts (buzzer and motor control) based on alcohol level detection, applying event-driven programming concepts.
 - Applied Software Development Lifecycle (SDLC) practices including requirements, testing, and validation within an Agile 5-member team using Git version control.

Software Engineer - Arduino-controlled power factor correction system

March 2021 – July 2021

- Programmed real-time sensor response logic for electrical efficiency optimization, incorporating conditional controls like user interface state management.
- Collaborated in Agile team environments and used version control (Git) to iteratively improve embedded system code and performance logging.

Certifications & Awards

- Oracle Certified Professional - MySQL 8.0 Database Developer
- Special Achievement Award – Boosted project efficiency by 20% through leadership and mentoring a 50-member team.
- Best Volunteer, JNTUH Fest – Led 15 volunteers to organize college events attended by 500+ participants.