

SHRUTHI PILLALA

Maryville, MO 64468 | shruthipillala2109@gmail.com | +1-660-528-8894
[linkedin.com/in/shruthi-pillala](https://www.linkedin.com/in/shruthi-pillala)

SUMMARY

- Experienced Assistant System Engineer with over 1.5 years in software development; specialized in backend services using Java, Spring Boot, and RESTful APIs.
- Demonstrates proficiency in building responsive user interfaces with HTML, CSS, JavaScript, and ReactJS.
- Developed RESTful APIs that improved data retrieval speed by 30%, contributing to notable enhancements in application performance and user experience.
- Eager to contribute to innovative, scalable software solutions while continuously enhancing technical expertise and delivering high-quality results to drive business success.

WORK EXPERIENCE

Assistant System Engineer

May 2022 - Dec 2023

Tata Consultancy Services Limited | Hyderabad, Telangana

- Developed and maintained backend services using Java, Spring Boot, and the Spring Framework, focusing on clean, scalable, and maintainable code. Designed and integrated RESTful APIs to enable smooth communication between frontend and backend systems.
- Built responsive and adaptable user interfaces using HTML, CSS, JavaScript, and ReactJS, closely aligned with client specifications.
- Collaborated in Agile teams for requirement analysis and contributed to system design and technical documentation. Conducted code reviews and debugging sessions to improve software quality and ensure consistent implementation standards.
- Ensured cross-platform compatibility, resolving UI behavior differences across browsers and operating systems like Windows and macOS. Utilized microservices architecture and Docker-based containerization to support scalable deployments and modular system design.
- Managed task priorities effectively and delivered high-quality web solutions, consistently meeting over 95% of client expectations and project deadlines.
- Implemented RESTful APIs that decreased data retrieval time by 30%, significantly boosting application performance.

Arduino Programmer

Jul 2021 - Aug 2021

JNTUH College of Engineering | Manthani, Telangana

- Engineered and integrated Java program for Arduino control, facilitating seamless integration of sensor data processing and real-time device management.
- Employed Microsoft Office Suite for documentation, data analysis, and presentation purposes.
- Conducted exploration and instituted market data to inform the enhancement of Arduino functionality, aligning with emerging trends and user preferences resulting in 25% increase of product adoption.
- Acquired valuable project management skills, including time management and task prioritization, which I will apply in future endeavors.

Embedded System Engineer

Mar 2021 - Jul 2021

JNTUH College of Engineering | Manthani, Telangana

- Designed and executed an Arduino-controlled power factor correction system, optimizing electrical efficiency by 30% through real-time monitoring and adjustment of reactive power.
- Utilized MySQL and Git for developing an Automatic Power Factor Correction system using Arduino UNO.
- Fostered insights into effective collaboration and communication within cross-functional teams, enhancing my ability to work effectively in diverse environments.
- Demonstrated adaptability and flexibility in swiftly grasping novel technologies and methodologies, effectively contributing to the development of Arduino-controlled power factor correction systems.

EDUCATION

Masters: Information Systems

Jan 2024 - May 2025

Northwest Missouri State University, Maryville, Missouri

Bachelor of Technology in Electric and Electronics Engineering: Electrical and Electronics Engineering

Jul 2017 - Aug 2021

Jawaharlal Nehru Technological University Hyderabad, Manthani, TS

SKILLS

Programming: Core Java/J2EE, JavaScript

Frameworks : Spring Boot , React JS

Technical: HTML, CSS

API Development: RESTful APIs, Integration between frontend and backend services

Architecture and Design: Microservices Architecture, Object Oriented Programming

Operating Systems: Windows, MacOS

Productivity Tools: Microsoft Office Suite

Databases: SQL, PostgreSQL

Version Control: Git, GitHub

AWARDS & HONORS

Special Achievement Award

Nov 2023

TCS

- Recognized for improving project efficiency by 20% and positively influencing a team of 50 colleagues.

Best Volunteer

Mar 2020

JNTUH

- Directed a team of 15 volunteers and organized events attended by over 500 participants.