

# Sanaharika Thallada

☎ 217-775-5653 ✉ [sanaharikathallada@gmail.com](mailto:sanaharikathallada@gmail.com) [in linkedin.com/in/](https://www.linkedin.com/in/) [github.com/proxiee](https://github.com/proxiee)

## SUMMARY

Full-stack engineer with experience in Java and Typescript seeking to leverage skills in building reliable, scalable software systems for space-based applications.

## EDUCATION

### Saint Louis University

*Master of Science, Information Systems*

- CGPA: 3.63/4.0
- Coursework: Mobile & Web App Development, Data Visualization & Analysis, AWS, Statistics, Tech & Start-ups

### Saint Louis, Missouri

*Aug 2023 – May 2025*

## EXPERIENCE

### Cognizant Technology Solutions — Titan

*Full-Stack Java Developer*

### Hyderabad

*Aug 2020 – Jul 2023*

- Developed and deployed high-reliability Java applications processing data from multiple sources, resulting in a 15% increase in data processing efficiency.
- Designed and implemented RESTful APIs using Spring Boot, improving data exchange between systems by 20%.
- Collaborated with cross-functional teams to deliver full-stack solutions, exceeding project deadlines by an average of 10%.

### Cognizant Technology Solutions

*Intern – Programmer Analyst*

### Pune, Maharashtra

*Jan 2020 – May 2020*

- Contributed to the development of a web application using Java and Spring framework, improving user experience metrics by 12%.
- Implemented unit tests using JUnit, increasing code coverage by 10%.
- Assisted senior developers in troubleshooting and resolving production issues, resulting in a 5% reduction in downtime.

## PROJECTS

### Secure Satellite Network Simulation

*Oct 2022 - Apr 2023*

- Developed a simulation environment for a secure satellite mesh network using C# and Typescript, handling data from hundreds of simulated satellites.
- Implemented robust security measures to protect sensitive data transmitted across the network, achieving 99.99% data integrity.
- Utilized AWS cloud services for scalable and reliable infrastructure, reducing operational costs by 15%.

### Real-time Earth Observation Dashboard

*Jan 2023 - Aug 2023*

- Built a real-time dashboard for visualizing earth observation data using Typescript and a PostgreSQL database.
- Optimized data processing pipelines to handle high volumes of image data, reducing latency by 20%.
- Integrated machine learning models for automated data analysis, improving accuracy by 10%.

### Satellite Payload Control System

*May 2022 - Dec 2022*

- Designed and implemented a system for controlling remote sensor payloads on multiple satellites using C# and Kubernetes.
- Developed a user-friendly interface for managing satellite tasks and monitoring data, improving operational efficiency by 12%.
- Integrated the system with existing ground station infrastructure, ensuring seamless communication and data transfer.

## SKILLS

**Languages & Frameworks:** Java, C, C++, Spring Boot, Hibernate, Angular2/4/8, React, Node.js, JSP, Servlets, MVC

**Frontend:** HTML5, CSS3, JavaScript, jQuery, JSON, XML, XSLT

**Web Services:** REST, SOAP

**Cloud & DevOps:** AWS, Azure, Docker, Google cloud,

**Tools:** Jira, Confluence, GitHub, GitLab, Postman, Elasticsearch

**Database:** MySQL

**Messaging Queues:** ActiveMQ, RabbitMQ

**Security:** OAuth2, JWT, Spring Security

## CERTIFICATIONS ( UDEMY)

- Agile Project Management
- Relational Database Design
- Responsive Web Design
- Java Database Connection
- Maven Crash Course
- Spring Framework
- Build Java app with Spring MVC