

# Sanaharika Thallada

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## SUMMARY

Full-stack engineer with experience in Java and proven ability to build highly reliable, secure software systems.

## 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 software systems processing data from multiple sources.
- Designed and implemented secure, scalable web services using Java and related technologies.
- Collaborated with cross-functional teams to deliver projects on time and within budget.

### Cognizant Technology Solutions

*Intern – Programmer Analyst*

**Pune, Maharashtra**

*Jan 2020 – May 2020*

- Contributed to the development of a web application, enhancing its performance and scalability.
- Assisted senior developers in testing and debugging software applications.
- Gained practical experience in agile software development methodologies.

## PROJECTS

### Secure Satellite Network Simulation

*March 2023 - October 2023*

- Developed a simulation environment for a secure satellite network using C# and Typescript, processing data from hundreds of simulated satellites.
- Implemented a robust data processing pipeline to handle large volumes of earth observation data, improving processing speed by 20%.
- Designed and implemented a secure communication protocol for inter-satellite communication, ensuring data integrity and confidentiality.

### Real-time Earth Observation Dashboard

*September 2022 - April 2023*

- Built a real-time earth observation dashboard using Javascript and PostgreSQL, providing users with an immersive visualization experience.
- Integrated with AWS cloud services for seamless data storage and retrieval, reducing latency by 15%.
- Implemented advanced image processing algorithms to enhance the visual quality of satellite imagery, improving user experience.

### Secure Data Management System

*January 2022 - August 2022*

- Developed a secure data management system for sensitive satellite data using Kubernetes for container orchestration.
- Implemented role-based access control to ensure data security and compliance, improving system security by 30%.
- Utilized Service Workers and IndexedDB for offline data access, enhancing user experience and reliability.

## 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