**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

**Saint Louis, Missouri**   
 *Aug 2023 – May2025*

*•* Coursework: Mobile &Web App Development, Data Visualization & Analysis, AWS, Statistics, Tech& Start-ups **EXPERIENCE**

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| **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, Maharastra**   
*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**

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| **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