**Sanaharika Thallada**

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**SUMMARY**

Full-stack engineer with experience building reliable, scalable software systems. Proven ability to design, develop, and deploy applications in cloud environments.

**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 Java applications processing data from hundreds of sources, resulting in a

20% increase in processing efficiency.

*•* Designed and implemented secure, scalable web services using RESTful APIs, improving system responsiveness by

15%.

*•* Collaborated with cross-functional teams to deliver projects on time and within budget, exceeding expectations by

consistently meeting deadlines.

**Cognizant Technology Solutions** *Intern – Programmer Analyst*

**Pune, Maharastra**   
*Jan 2020 – May 2020*

*•* Contributed to the development of a web application using Java and Spring, enhancing user experience and improving data visualization.

*•* Developed and implemented unit tests, ensuring software quality and reducing bug counts by 10%.*•* Gained hands-on experience in Agile software development methodologies, improving team collaboration and efficiency.

**PROJECTS**

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| **Secure Satellite Network Simulation** | *March 2023 - August 2023* |

*•* Developed a high-fidelity simulation of a secure satellite network using C# and TypeScript, enabling testing of communication protocols and data processing algorithms in a realistic environment.

*•* Implemented robust security measures to protect sensitive data, ensuring compliance with industry standards and reducing vulnerabilities by 15%.

*•* Utilized AWS cloud services to deploy and manage the simulation, reducing infrastructure costs and improving scalability.

**Real-time Earth Observation Platform**  *October 2022 - March 2023* *•* Built a real-time earth observation platform using a web application with PostgreSQL database to process and display high-resolution satellite imagery.

*•* Developed a user-friendly interface for both office and field users, improving data accessibility and decision-making speed by 20%.

*•* Integrated machine learning algorithms for image analysis, enhancing object detection and classification accuracy by 10%.

**Autonomous Payload Control System**  *May 2022 - September 2022* *•* Designed and implemented an autonomous payload control system for low earth orbit satellites using Kubernetes and Linux server environments.

*•* Developed a secure communication protocol for remote payload tasking and data retrieval, ensuring data integrity and minimizing latency.

*•* Automated system testing procedures, reducing manual testing efforts by 25% and improving 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