**Sanaharika Thallada**

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**SUMMARY**

Full-stack engineer with experience building AI-driven products. Proven ability to design, develop, and deploy features using Python, React, and TypeScript.

**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 maintained full-stack features for complex applications, resulting in a 15% improvement in user

engagement.

*•* Designed and implemented RESTful APIs using Spring Boot, improving data transfer efficiency by 20%.*•* Collaborated with cross-functional teams to deliver high-quality software solutions on time and within budget.*•* Utilized Agile methodologies to manage sprints and deliver incremental value.

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

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

*•* Contributed to the development of a key module for a large-scale enterprise application, enhancing system performance by 10%.

*•* Assisted senior developers in debugging and troubleshooting complex issues, resolving critical bugs and improving application stability.

*•* Gained practical experience in various aspects of software development, including design, coding, testing, and deployment.

**PROJECTS**

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| **AI-Powered Workflow Automation Platform** | *March 2023 - October 2023* |

*•* Developed a Python-based backend API using FastAPI to handle complex data processing and AI model integration.

*•* Built a React and TypeScript frontend to provide a user-friendly interface for interacting with the AI-powered workflow automation platform.

*•* Integrated an LLM for natural language processing, improving user efficiency by 25% as measured by task completion time.

*•* Deployed the application to a containerized environment using Docker and Kubernetes, ensuring high availability and scalability.

**Intelligent Data Processing System**  *July 2022 - December 2022* *•* Designed and implemented a robust data pipeline using Python and PostgreSQL for efficient data ingestion, transformation, and loading.

*•* Developed a GUI application (React/TypeScript) to visualize and analyze the processed data, enabling intuitive data exploration and improved decision-making.

*•* Implemented ETL processes for efficient data integration, reducing processing time by 30%.

*October 2022 - March 2023* **Recommendation Engine**  
 *•* Built a recommendation engine using Python and Redis for a real-time, high-volume application that recommends products to users.

*•* Improved product recommendations by 10% through the implementation of collaborative filtering algorithms.*•* Increased user engagement by 15% by personalizing the user experience with targeted recommendations.

**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