

# Yashwanth Raj Tirupati

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## SUMMARY

Highly skilled Software Engineer with 2+ years of experience in full-stack development and Agile methodologies. Proven ability to design, develop, and deploy robust, scalable software solutions using Java/Spring Boot and Python. Expertise in database design (SQL), cloud technologies (AWS), and containerization (Docker, Kubernetes). Eager to contribute to a collaborative team environment at Fortra.

## EDUCATION

### University of Dayton

*M.S. in Computer Science*

Dayton, Ohio, USA

Aug 2023 - May 2025

- **Concentrations:** Autonomous Systems and Data Science
- **GPA:** 3.41/4.00
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Virtual Reality, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Algorithm Design, Advanced Computer Vision.

### Jawaharlal Nehru Technological University

*B.Tech. in Computer Science & Engineering*

Hyderabad, Telangana, India

June 2018 - July 2022

- **CGPA:** 7.3/10.00
- **Related Coursework:** Operating Systems, Database Management Systems, Computer Networks, Discrete Mathematics, Web Technologies, Software Engineering.

## EXPERIENCE

### Cognizant Technology Solutions

*Software Developer*

Chennai, Tamil Nadu, India

March 2023 - Aug 2023

- Developed and deployed 5+ full-stack features for enterprise systems using Spring Boot (Java) and React, adhering to best practices for maintainability and scalability.
- Collaborated with product owners and Agile team to deliver 3 projects on-time and within budget, improving API response times by 15%.

### Cognizant Technology Solutions

*Programmer Analyst Intern*

Chennai, Tamil Nadu, India

March 2022-Sept 2022

- Identified and resolved 100+ bugs in enterprise applications, resulting in a 10% reduction in reported issues for key modules.
- Improved code quality and reliability by authoring comprehensive technical documentation and enhancing test automation procedures.

## PROJECTS

### Enterprise Resource Management System Enhancement

Jan 2024-May 2025

- Designed and implemented a new feature using Spring Boot and PostgreSQL, improving data processing speed by 20% and reducing error rates by 15%.
- Collaborated with a team of 3 developers using Agile methodologies, delivering the project on time and within budget.

### Cloud-Based Microservice Architecture

Jun 2024 - Present

- Developed a scalable microservice architecture using Docker, Kubernetes, and AWS, improving system resilience and reducing deployment time by 50%.
- Implemented CI/CD pipelines using Jenkins, automating deployment and testing processes. Successfully mentored a junior developer on the project.

### Improved Data Analytics Dashboard

Sep 2023-Dec 2023

- Developed a new data analytics dashboard using Python and SQL, improving data visualization and providing actionable insights to stakeholders.
- Implemented robust security measures, ensuring data privacy and compliance with industry standards.

## ACTIVITIES AND LEADERSHIP

### University of Dayton

- Teaching Assistant, CPS 501 (Advanced Programming and Data Structures)
- Secretary, Indian Student Association (100+ members)

Dayton, Ohio, USA

Jan 2024-Apr 2024

Aug 2023-Apr 2024

## SKILLS

**Languages:** Python, Java, C++, C, JavaScript, Kotlin

**Frontend:** HTML, CSS, ReactJS, AJAX

**Backend Frameworks:** SpringBoot, NodeJS

**Database:** MySQL, MongoDB, Postgres

**Automation:** Appium, Selenium, Cucumber BDD, Jenkins, JUnit

**AI & ML:** PyTorch, TensorFlow, Jupyter, OpenCV, LLMs(GPT)