**Yashwanth Raj Tirupati**

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| (937)-469-9700 | tyashwanth99@gmail.com | linkedin.com/in/yashwanthtirupati | github.com/proxiee |

**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*  
 *•* **CGPA:** 7.3/10.00

**Hyderabad, Telangana, India** *June 2018 - July 2022*

*•* **Related Coursework:** Operating Systems, Database Management Systems, Computer Networks, Discrete Mathematics, Web Technologies, Software Engineering.

**EXPERIENCE**

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| **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**

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| **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**

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| **University of Dayton**  *•* Teaching Assitant, 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)