Yashwanth Raj Tirupati

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SUMMARY

Highly motivated and results-oriented software engineer with 2+ years of experience in designing, developing, and deploying robust software systems. Proven ability to translate user requirements into technical specifications, collaborate effectively within Agile teams, and deliver high-quality solutions using Java and Python. Seeking to leverage expertise in full-stack development and problem-solving to contribute to Fortra's innovative software solutions.

EDUCATION

University of Dayton   **Dayton, Ohio, USA**
M.S. in Computer Science   *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   **Hyderabad, Telangana, India**
B.Tech. in Computer Science & Engineering   *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   **Chennai, Tamil Nadu, India**
Software Developer   *March 2023 - Aug 2023*
- Developed and deployed 5 key full-stack features for enterprise-level systems using Spring Boot (Java) and React, resulting in a 15% increase in user engagement.
- Collaborated with product owners and cross-functional teams using Agile methodologies to deliver robust solutions, improving API response times by 15% and reducing bug reports by 20%.

Cognizant Technology Solutions   **Chennai, Tamil Nadu, India**
Programmer Analyst Intern   *March 2022-Sept 2022*
- Identified and resolved 100+ critical bugs in enterprise applications, leading to a 10% reduction in reported issues and improved system stability.
- Developed and implemented automated testing procedures resulting in a 15% increase in testing efficiency and improved code quality.

PROJECTS

Secure Enterprise Data Management System   *Jan 2023 - May 2023*
- Designed and implemented a secure data management system using Java Spring Boot and PostgreSQL, ensuring compliance with industry security standards.
- Improved data processing efficiency by 20% through the optimization of database queries and data structures.

Cloud-Based Application Monitoring Tool   *Jun 2022 - Dec 2022*
- Developed a cloud-based application monitoring tool using Python, AWS services (EC2, S3, Lambda), and Docker, reducing application downtime by 15%.
- Implemented automated alerts and reporting features, improving the team's response time to critical issues by 25%.

Automated Deployment Pipeline for Microservices   *Sep 2021 - May 2022*
- Developed an automated deployment pipeline using Jenkins, Docker, and Kubernetes, reducing deployment time by 50% and minimizing deployment errors.
- Improved the overall reliability and scalability of the microservices architecture, resulting in a 20% increase in system availability.

ACTIVITIES AND LEADERSHIP

University of Dayton   **Dayton, Ohio, USA**
- Teaching Assitant, CPS 501 (Advanced Programming and Data Structures)   *Jan 2024-Apr 2024*
- Secretary, Indian Student Association (100+ members)   *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)