RAM GOPAL PAMPANA

Software Test Engineer Trainee

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Location: Bengaluru, Karnataka, India
Portfolio | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Software Test Engineer Trainee at Cisco with expertise in automated testing, AI solutions, and full-stack development. Proficient in Java, Python, JavaScript, Selenium, and TestNG. CCNA certified with experience in Azure OpenAI, React, and Next.js. Demonstrated impact: Achieved 95% accuracy in AI chatbot, reduced testing errors by 25%, and improved performance by 40% through automation and optimization.

TECHNICAL SKILLS

Programming Languages:
Java, Python, JavaScript, HTML5, CSS3

Testing & Automation:
Selenium WebDriver, TestNG, JUnit, Cypress, Automated Testing

Web Technologies:
React, Next.js, Angular, Django, Tailwind CSS, REST APIs

Cloud & AI Technologies:
Azure OpenAI, AWS, GPT-4, Azure Cognitive Search

Databases & Tools:
MySQL, Azure Cosmos DB, Git, VSCode, PyCharm, Postman

Networking:
CCNA Certified, TCP/IP, Network Protocols, Network Troubleshooting

PROFESSIONAL EXPERIENCE

Software Test Engineer Trainee   **November 2024 - Present**
Cisco Systems
Bengaluru, India

- Developing automated testing frameworks using Java and Selenium WebDriver, ensuring 99% test coverage
- Building AI chatbot with Azure OpenAI GPT-4, Django, and MySQL achieving 95% accuracy
- Implementing test automation scripts with TestNG and JUnit, reducing manual testing time by 60%
- Collaborating with development teams in agile processes and maintaining enterprise compliance documentation

KEY PROJECTS

AI Chatbot with Azure OpenAI Integration   **2024**

- Built a full-stack AI chatbot using Azure OpenAI GPT-4, Django, and MySQL, achieving 95% accuracy in natural language query handling
- Implemented Azure Cognitive Search for intelligent schema retrieval and dynamic SQL generation

Network-Based Pattern Searching System   **2024**

- Developed a client-server system for keyword search using Java sockets and multithreading, improving performance by 40%
- Created comprehensive test suite using JUnit for unit and integration testing

Self-Fuel Dispensing Automated Framework   **2023**

- Built RFID-based automation system reducing operational errors by 25% and improving efficiency
- Developed real-time monitoring interface with HTML5, CSS3, JavaScript and database integration

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering **August 2019 - June 2023**
Pragati Engineering College
Kakinada, Andhra Pradesh, India

- **CGPA:** 7.87/10.0

CERTIFICATIONS & TRAINING

- **CCNA** – Cisco Systems (2024) [View Certificate]
- **Python Programming** – NPTEL (2024) [View]
- **Python (Basic)** – HackerRank (2024) [View]
- **Azure Fundamentals** – Microsoft (2024)
- **Selenium WebDriver Automation** – Test Automation Training (2024)

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Telugu (Native), Hindi (Conversational)
- **Interests:** AI/ML Technologies, Test Automation, Full-Stack Development, Cloud Computing