PAMPANA SIVA SURYA RAM GOPAL

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. Data Science certified (Generative AI Green Belt 2025) and CCNA certified with experience in Azure OpenAI and React. Currently learning LangChain and LangGraph for advanced AI applications. 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, Angular, Django, REST APIs

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

Data Science:
Generative AI, Machine Learning, Data Analysis, LangChain, LangGraph

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

- Automated testing using Java and Selenium to ensure software quality
- Developing a full-stack AI chatbot using Azure OpenAI, Django, MySQL, and Azure Cognitive Search for real-time natural language query handling
- Integrating Azure Cognitive Search for intelligent schema retrieval and dynamic SQL generation
- CCNA Certified: Proficient in networking, routing, switching, and IP fundamentals

KEY PROJECTS

Custom Infrastructure Tool & AI Chatbot Implementation – Cisco   Ongoing

- Developed infrastructure management tool from scratch using Django, MySQL, and frontend technologies (HTML, CSS, Bootstrap, JavaScript) for efficient asset tracking and operations management
- Built custom AI-powered chatbot to auto-respond to infrastructure queries, leveraging Azure OpenAI (GPT-4) for natural language understanding and response generation
- Integrated comprehensive Azure services: Cosmos DB for data storage, Blob Storage for file handling, AI Search for intelligent retrieval, AI Language for NLP-based intent detection, and VNet for secure network access

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

- **Data Science Certification** – Cisco Systems (2025) - Generative AI Green Belt Program
- **CCNA** – Cisco Systems (2024) [View Certificate]
- **Python Programming** – NPTEL (2024) [View]
- **Python (Basic)** – HackerRank (2024) [View]
- **Automation Testing** – Test Automation Training (2024) [View]

ADDITIONAL INFORMATION

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