PAMPANA SIVA SURYA RAM GOPAL

Software Test Engineer Trainee

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Location: Bengaluru, Karnataka, India

Portfolio | GitHub | LinkedIn

PROFESSIONAL SUMMARY

Dedicated Software Test Engineer Trainee at Cisco with expertise in automated testing, full-stack development, and AI-powered solutions. Proficient in Java, Python, JavaScript, and modern testing frameworks including Selenium and TestNG. Currently developing AI chatbot solutions using Azure OpenAI and building scalable web applications with React. Learning LangChain and LangGraph for advanced AI applications. CCNA certified with strong networking fundamentals and hands-on experience in test automation frameworks.

TECHNICAL SKILLS

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

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

Web Technologies:
React, Angular, Django

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

Databases:
MySQL, Azure Cosmos DB, SQL

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

Tools & Platforms:
Git, VSCode, PyCharm, Postman, REST APIs

WORK 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
- Enhanced scalability, security, and intelligence through Azure cloud integration for enterprise-level infrastructure management

Network-Based Pattern Searching System *2024*

- Designed client-server architecture using Java for efficient file pattern searching
- Implemented multi-threading for concurrent file processing and improved performance by 40%
- Developed robust error handling and logging mechanisms for system reliability
- 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%
- Implemented real-time monitoring and alert systems for fuel dispensing operations
- Developed user-friendly interface with HTML5, CSS3, and JavaScript
- Integrated database management system for transaction tracking and reporting

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering *August 2019 - June 2023*

Pragati Engineering College

Kakinada, Andhra Pradesh, India

- CGPA: 7.87

CERTIFICATIONS

- **Data Science Certification** - Cisco Systems | 2025 - Generative AI Green Belt Program
- **CCNA (Cisco Certified Network Associate)** - Cisco Systems | 2024
- **Python Programming** - Completed comprehensive training program
- **Automation Testing** - Test Automation Training | 2024 - [View Certificate](#)

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Telugu (Native), Hindi (Conversational)
- **Interests:** AI/ML Technologies, Test Automation, Full-Stack Development, Cloud Computing
- **Professional Development:** Actively learning advanced Azure services and modern testing frameworks