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

AI Chatbot with Azure OpenAI Integration   *2024*

- Developed full-stack AI chatbot using Azure OpenAI GPT-4, Django, and MySQL
- Implemented Azure Cognitive Search for intelligent schema retrieval and dynamic SQL generation
- Built responsive frontend with React and integrated REST APIs for seamless user experience
- Achieved 95% accuracy in natural language query processing and database interactions

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