

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. 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

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

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

- **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