

# RAM GOPAL PAMPANA

## Software Test Engineer Trainee

✉ ramgopalpampana10@gmail.com | ☎ +91-7730072669 | 📍 Kakinada, Andhra Pradesh, 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. Proven track record: 95% AI chatbot accuracy, 25% error reduction through automation, 40% performance improvement.

### 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

- Full-stack AI chatbot using Azure OpenAI GPT-4, Django, MySQL achieving 95% accuracy
- Implemented Azure Cognitive Search for intelligent schema retrieval and dynamic SQL generation

#### Network-Based Pattern Searching System

2024

- Java client-server architecture with multi-threading, improving performance by 40%
- Comprehensive test suite using JUnit for unit and integration testing

#### Self-Fuel Dispensing Automated Framework

2023

- RFID-based automation system reducing operational errors by 25%
- Real-time monitoring with HTML5, CSS3, JavaScript interface 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 Certified Network Associate) - Cisco Systems | 2024 [View]

**Python Programming Certification** - NPTEL | 2024 [\[View\]](#)

**Python (Basic) Certificate** - HackerRank | 2024 [\[View\]](#)

**Azure Fundamentals** - Microsoft Azure | 2024

**Selenium WebDriver Automation** - Test Automation Training | 2024

## ADDITIONAL INFORMATION

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