

# RAM GOPAL PAMPANA

Software Test Engineer Trainee

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Location: Kakinada, Andhra Pradesh, 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 and Next.js. 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, Next.js, Angular,  
Django, Tailwind CSS

### Cloud & AI:

Azure OpenAI, AWS, GPT-4,  
Azure Cognitive Search

### Databases:

MySQL, Azure Cosmos DB,  
SQL

### Tools & Platforms:

Git, VSCode, PyCharm,  
Postman, REST APIs

## WORK EXPERIENCE

### Software Test Engineer Trainee

November 2024 - Present

#### Cisco Systems

Bengaluru, India

- Developing automated testing frameworks using Java and Selenium for enterprise applications
- Building full-stack AI chatbot using Azure OpenAI, Django, and MySQL with natural language processing capabilities
- Implementing test automation scripts with TestNG and JUnit for regression testing
- Collaborating with development teams to ensure quality assurance in software delivery
- Working with Azure Cognitive Search for intelligent schema retrieval and dynamic SQL generation
- Participating in agile development processes and continuous integration workflows

## 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

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### Bachelor of Technology in Computer Science and Engineering

2020 - 2024

#### Aditya Institute of Technology and Management

Tekkali, Andhra Pradesh, India

- Relevant Coursework: Data Structures, Algorithms, Database Management, Software Engineering, Computer Networks
- Final Year Project: AI-powered chatbot with natural language processing capabilities

## CERTIFICATIONS

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- **CCNA (Cisco Certified Network Associate)** - Cisco Systems | 2024
- **Azure Fundamentals** - Microsoft Azure | 2024
- **Python Programming** - Completed comprehensive training program
- **Selenium WebDriver** - Test automation certification

## ADDITIONAL INFORMATION

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- **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