

PAMPANA SIVA SURYA RAM GOPAL

Full-Stack AI Developer

ramgopalpampana10@gmail.com | 7730072669 | kakinada

[Linkedin](#) | [Portfolio](#)

EDUCATION

pragati Engineering college

Electronics and Communication Engineering | Bachelor of Technology

CGPA: 7.87

Kakinada, Andhra Pradesh

August 2019 - June 2023

EXPERIENCE

CISCO | Software Test Engineer Trainee

Bengaluru, India | November 2024 - Present

- **Software Test Engineer Trainee at Cisco:** 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.

SKILLS

Programming Languages:	Java, Python, JavaScript
Libraries/Frameworks:	Angular, TestNG, Junit, Django
Tools / Platforms:	Git, Vscode, Pycharm, Cypress, Selenium, Aws, Azure OpenAI, Azure Cognitive Search, REST APIs, Postman, IntelliJ
Databases:	Mysql, Postgresql

PROJECTS / OPEN-SOURCE

AI Chatbot with Azure OpenAI Cisco (Ongoing)

Azure OpenAI, GPT-4, Azure Cognitive Search,

Azure Cosmos DB, Azure AI Language, Azure Virtual Network (VNet), Django, MySQL, HTML, CSS, JavaScript

- Building a full-stack AI chatbot that processes natural language queries using **Azure OpenAI** and **Django**
- Implemented **Azure Cognitive Search** for intelligent schema retrieval and **GPT-4-based** dynamic SQL generation
- Designed a responsive frontend using **HTML, CSS, and JavaScript** optimized backend for real-time performance
- Integrated secure data access and advanced NLP capabilities using **Azure Cosmos DB, Azure AI Language, and Azure Virtual Network (VNet)**

Self-Fuel Dispensing Automated Framework Using RFID Cards

Embedded C, Arduino

Developed and implemented an RFID-based self-fuel dispensing system, reducing operational errors and unauthorized access by 25%. Optimized transaction efficiency by 40%, improving accuracy and user satisfaction through advanced algorithms and real-time data processing.

NETWORK BASED PATTERN SEARCHING | [Link](#)

Python

- Developed a **Network-Based Pattern Searching** project with **client-server architecture** to search for words in a file.
- Implemented **client-server communication** using **JSON requests** to query and return matching lines with line numbers.
- Designed a **Search class** to read, clean, and search file content efficiently with proper error handling mechanism.

CERTIFICATIONS

- The Joy of computing using Python - **IIT-Madras** through NPTEL. (2022)
- Python - **HackerRank** (2024)
- Cisco Certified Network Associate (CCNA) - **Cisco Systems, Inc.** (2025)

HONORS & AWARDS

- Secured Elite + silver badge in NPTEL certification
- Earned HackerRank badges in Java ,python and SQL