

# PAMPANA SIVA SURYA RAM GOPAL

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*linkedin*

## EDUCATION

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**pragati Engineering college**

*Electronics and Communication Engineering | Bachelor of Technology*

**CGPA: 7.87**

Kakinada, Andhra Pradesh

August 2019 - June 2023

## EXPERIENCE

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**CISCO**

Bengaluru, India | November 2024 - Present

**Software Test Engineer Trainee**

- **Software Test Engineer Trainee at Cisco:** Automated testing using *Java* and *Selenium* to ensure software quality.
- **Currently developing a full-stack AI chatbot** using Azure OpenAI, Django, MySQL, and HTML/CSS/JavaScript, enabling **natural language query handling** and **real-time responses**.
- **Integrating Azure Cognitive Search** for **intelligent schema retrieval** and **dynamic SQL generation**.
- **CCNA Certified:** Proficient in networking, routing, switching, and IP fundamentals.

## PROJECTS / OPEN-SOURCE

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**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, handling errors like "File Not Found."

**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.

## SKILLS

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**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

**Databases:** Mysql

## CERTIFICATIONS

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

## HONORS & AWARDS

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