

Redrouthu Sarath Sai

sarathsairedrouthu@gmail.com | +91-9248024639 |
linkedin.com/in/sarath-sai-redrouthu-a26263295/

Professional Summary

Motivated Computer Science undergraduate with practical experience in web development, networking, and data analysis. Proficient in building responsive web applications and managing network simulations. Strong problem-solving and collaboration skills with a passion for continuous learning and real-world impact.

Fields of Interest

Web Development, Open Source Projects, Networking, Machine Learning, Cybersecurity, Cloud Technologies

Key Skills

- **Programming Languages:** C++, Java, C, Python (Basic), SQL
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js, Spring (Basic)
- **Networking:** IPv4/IPv6, VLANs, Subnetting, Routing, ACLs, Cisco Packet Tracer
- **Tools/Libraries:** Power BI, Postman, Git, GitHub, VS Code, VirtualBox, MongoDB, MySQL
- **Soft Skills:** Communication, Team Collaboration, Adaptability, Critical Thinking, Time Management

Education

Bachelor of Technology (BTech), Computer Science and Engineering

Vignan's Foundation for Science, Technology & Research, Vadlamudi, Andhra Pradesh

Expected Graduation: 2026

Intermediate (12th) – MPC

NRI Junior College, Guntur, Andhra Pradesh

Completed: 2022

Secondary School Certificate (10th)

Montessori EM School, Guntur, Andhra Pradesh

Completed: 2020

Certifications

- **Python Essentials 1 & 2 (Cisco NetAcad)** – Learned Python syntax, OOP principles, and file operations
- **Introduction to Cybersecurity (Cisco NetAcad)** – Covered CIA triad, threat models, and mitigation strategies
- **CCNA: Introduction to Networks** – Gained knowledge of IP addressing, routing basics, and networking models
- **CCNA: Switching, Routing, Wireless Essentials** – Hands-on with VLANs, switching logic, and wireless setup

- **CCNA: Enterprise Networking, Security, Automation** – Practiced ACLs, WANs, and Python-based automation
- **Cisco Packet Tracer** – Simulated and configured networks for troubleshooting and design
- **Cambridge B1-Level Certification** – Demonstrated fluency in English communication (written and spoken)

Projects

Computer Lab Management System (MERN Stack)

Built a full-stack web app for managing lab equipment and access. Features included role-based controls, inventory tracking, and real-time updates using MongoDB, Express, React, and Node.js.

Home Town Highlights

Developed a tourism web app allowing users to explore local attractions and book guides. Integrated Google Maps and built a mobile-friendly user interface.

Image Caption Generator

Implemented a machine learning project to generate image descriptions using KNN and SVM models. Aimed at enhancing content accessibility and indexing.

Finance ERP Portal (Hackathon)

Created a MERN-based finance module for student fee management. Supported file uploads, registration, and secure admin access. Developed during a 3-day hackathon.

Languages

- English – Proficient
- Telugu – Native
- Hindi – Conversational