

SAI SHRUTHI N

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SKILLS

- ❖ **Programming Languages:** Python, C++, Java, C
- ❖ **Cryptography:** AES, RSA, PyCryptodome, OTP-based authentication
- ❖ **Security:** Secure file sharing, Encryption & Decryption
- ❖ **Data structures and algorithms :** (intermediate)
- ❖ Matlab, Multisim, Simulink(Basic)
- ❖ Assembly Level Language

EDUCATION

- ❖ E&C|JSS Academic of technical education|2026 **CGPA(current)-8.55**
- ❖ Jnanodaya PU College **93%| 2022**
- ❖ Vijaya High School **97%|2020**

ACADEMIC PROJECTS

Secure File Sharing System (using cryptography , team of 2)

- ❖ Designed and developed a **secure file-sharing system** using **Python and PyCryptodome** to ensure **confidentiality and integrity** of shared files.
- ❖ Implemented **AES and RSA encryption** for robust data protection and secure transmission.
- ❖ Integrated **OTP-based authentication via Gmail**, ensuring only authorized recipients can access files.

AI-Based PCB Defect Detection (Ongoing)

- ❖ Using YOLOv5 and OpenCV to build a real-time defect detection system for printed circuit boards

CERTIFICATIONS

- ❖ Cisco python essentials (beginner)– (2022)
- ❖ Matlab Simulink –(2023)

LANGUAGES

English ,Kannada, Telgu ,Hindi

SOFT SKILLS

- ❖ Problem-Solving & Critical Thinking
- ❖ Teamwork & Collaboration
- ❖ Time Management & Deadline Handling

ACHIEVEMENTS /HOBBIES

- ❖ National Level olympiad (Mathematics)- 7th rank
- ❖ Astronomy ,Singing

