

SANKARAPANDIAN GANESAN

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A current engineering student seeking opportunities in a dynamic and challenging environment that fosters continuous improvement and learning. Motivated to contribute to organisation growth and personal development within the engineering industry.

EDUCATION

Bachelor of Engineering

Oct 2022 - Present

- Sri Krishna College of Engineering and Technology
- Major in electronics and communication engineering
- CGPA - 7.69 (till 3rd sem)

HSC

2021

- Counian Matric. Hr. Sec. School
- Percentage : 84.6%

SSLC

2019

- Counian Matric. Hr. Sec. School
 - Percentage : 87.6%
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SKILLS

- **Languages:** C++ +OOP's, Java +OOP'S, Python +OOP'S, Javascript, HTML, CSS
 - **Developer tools:** IDE (VS Code, Pycharm, IntelliJ) VCS (Github, Git, Code commit)
 - **IOT protocols:** Mqtt, LoRa
 - **Hardware:** Arduino, Raspberry, Esp32
 - **Libraries:** Flask, OpenCV, Numpy
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PROJECTS

Radio Connected Remote Finance network - RCRFN

- Established secure digital transaction infrastructure with licensed radio signals, user and central stations, and a proprietary banking server as a web server with a database for demonstration purpose.
- Acquired expertise in network architecture, encryption, LoRa technology, Flask web development, and project management while overcoming resource constraints and technical challenges.

Modular IOT automation server solution

- Implemented a comprehensive global automation server with relay controls, sensor visualization, and live camera streaming and also used ngrok for network tunneling options to host a website globally.
- Learned Flask and MQTT protocols, OpenCV image processing, server-side development, hardware integration, and UI/UX design principles.