

# JAYASHREE . J

## Electronics and Communication Engineering Student

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Chennai, India

## SUMMARY

I am a motivated electronics and communication engineering student with a strong academic record. I have hands-on experience in developing projects that enhance efficiency and security in technology. My participation in competitive hackathons has demonstrated my problem-solving and teamwork skills, and I am eager to apply my knowledge in a practical environment.

## EDUCATION

### Bachelors in Electronics and Communication Engineering

Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College

08/2022 05/2026 Chennai, India

### Higher Secondary School

Velammal Vidhyashram Surapet

06/2020 03/2022 Chennai, India

### Secondary School

Velammal Vidhyashram Surapet

06/2018 03/2020 Chennai, India

## COURSES

### NPTEL Courses

- PROGRAMMING IN JAVA 07/2023 10/2023
- SENSORS AND ACTUATORS 01/2024 04/2024
- INTRODUCTION TO INDUSTRY 4.0 AND INTERNET OF THINGS 07/2024 10/2024

## WORKSHOPS

- AIOT:When AI meets IOT & IOT with ROBOTICS  
30/03/2023 31/03/2023
- Human Resource Skills Workshop  
27/08/24
- PowerBI Workshop-Office Master  
20/10/24

## STRENGTHS

### Communication Skills

Clear and effective communication in diverse teams.

### Teamwork

Collaborative and goal-oriented teamwork.

### Problem-Solving

Ability to devise quick, creative solutions to problems.

### Adaptability

Ability to adapt flexibly to changing environments.

### Time Management

Efficient management of tasks and deadlines.

## KEY ACHIEVEMENTS

### Smart India Hackathon Achievement

Top 7 in Internal Smart India Hackathon

## SKILLS

- HTML
- Git
- CANVA
- CSS
- Microsoft Office
- C LANG
- C++

## LANGUAGES

- ENGLISH
- TAMIL
- FRENCH

## PROJECTS

### College Placement System Using Python

📅 06/2023 12/2023

Created a college placement system using Python.

- Designed a Django-based platform to automate campus placements.
- Enabled students to apply and track job statuses.
- Facilitated admin management of recruitments and placement statistics.
- Reduced manual errors and improved process efficiency.

### Energy-Aware and Trust-Based Secure Routing Protocol for Wireless Sensor Networks

📅 01/2024 05/2024

Developed an energy-aware and trust-based secure routing protocol.

- Developed a protocol for Wireless Sensor Networks (WSNs) enhancing energy efficiency and security.
- Implemented encryption and trust-based methods to counteract attacks like sinkholes.
- Verified protocol through NS2 simulations ensuring reliable and efficient network performance.

### Development Of AI/ML Based Solution For Detection Of Face Swap Based Deep Fake Videos

📅 06/2024 11/2024

Developed an energy-efficient routing protocol to improve deepfake video detection accuracy.

- Developed an energy-efficient, secure protocol for deepfake detection.
- Applied CNN-based analysis with trust mechanisms for accuracy.
- Validated effectiveness through simulations on compressed video data.

## CERTIFICATIONS

- PAPER PRESENTATION-INTERNAL SMART INDIA HACKATHON-  
"AUTOMATED PUBLIC LIGHT"

📅 27/09/24

- PAPER PRESENTATION-AAVISHKAR 2024-"MUSCLE STRAIN  
DETECTOR"

📅 14/03/24

- "TECH CAUCUS -2024"- SYMPOSIUM-SIMATS ENGINEERING

📅 12/09/24

- RESEARCH RELAY-VIVANTA'24

📅 04/10/2024 05/10/2024

- MedAlcon'24-HACKATHON-RAJALAKSHMI ENGINEERING

📅 28/09/24

- PAPER PRESENTATION-INTERNAL SMART INDIA HACKATHON-  
"Development Of AI/ML Based Solution For Detection Of Face  
Swap Based Deep Fake Videos"

📅 10/09/24