

# Sundareswari Thiagarajan

✉ [tsundareswari@gmail.com](mailto:tsundareswari@gmail.com)

in <https://www.linkedin.com/in/sundareswari-thiyagarajan-396616282>

🌐 <https://sundareswari-12.github.io/>

## Education

### B.E (Computer Science and Engineering)

University College of Engineering (BIT Campus),  
Tiruchirappalli, Tamil Nadu, India.  
August 2019 - June 2023

CGPA : 8.34 / 10

### High School

Modern Matric Hr. Sec School, Tamil Nadu,  
India.

June 2017 - March 2019

Marks : 81.67 %

### Grade 10

Modern Matric Hr. Sec School, Tamil Nadu,  
India.

June 2016 - March 2017

Marks : 98.4 %

## Internship Experience

- AI to detect Criminal Cars using License Plate under the Supervision of The Korean Academy (2024).
- Java Full Stack Development Internship (1 July - 31 July 2024) under Eazy Bytes.

## Volunteer Activities

- NCC Cadet 2019-2022 (C - Certificate Holder)
- Participated in Combined Annual Training Camp (CATC) 2022.
- Participated in Shot put and Throw ball competition (District level)

**Activities:** Physical fitness, drill, weapon handling, social service, Map Reading, Obstacle and adventure sports.

**Personality Development:** The NCC experience helps in developing self confidence, communication skills, and overall personality growth.

## Project Experience

- Stock Market Prediction using Sentimental Analysis (Feb - May 2023)

Technologies used: Natural language processing, web scraping.

- Viable Embryo Detection in Banana Seed using Arduino (July - Dec 2022)

Technologies used: Image processing, Arduino, Convolutional Neural Networks (CNN)

- The Parkinson's Disease Detection using Machine Learning Techniques (Aug - Nov 2022)

Technologies used: OpenCV, Computer Vision, (CNN).

- Online Food Ordering Website (Mar - June 2022)

Implementation : PHP, HTML, CSS and XAMPP control panel

## Research Papers

- A Multi-Model Approach- Stress Detection using Physiological Signals with LSTM and XGBoost. *Journal on Artificial Intelligence 2024* (Under Review).
- The Multiple Approaches for Drug-Drug Interaction Extraction using Machine learning and transformer-based Model. *IEEE Access 2024* (Under Review)

## Skills

**Technical Skills:** Python, C, Java, MySQL, HTML, CSS.

**Software:** Arduino IDE, Matlab, Visual Studio, Microsoft office suite, Adobe Illustrator, Adobe Xd, Adobe Photoshop.

## Research Interests

Machine Learning, Deep Learning, NLP, Computer Vision, Reinforcement Learning.

## Certification

- Texas Instruments Online contest participation in the IICDC-2019-LIC (Oct 2019).
- Texas Instruments Online contest participation in the IICDC-2019-MSP (Oct 2019).
- React JS Workshop conducted by Madras Institute of Technology, Anna University, Chennai (May 2022).
- Handheld portable device for viable embryo detection in banana breeding program funded by CSRC under Research Support Scheme "Student Innovative Project" (July - Dec 2022)
- NCC 'C' Certificate provided by Ministry of Defence, Government of India (2022).
- Internship Certificate for AI to detect Criminal Cars with License Plate (2024).