THIAGARAJAR COLLEGE OF ENGINEERING

ovt. Aided ISO, 9001-2008 Certified, Autonomous Institution Affiliated to Anna University)

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RESUME

NAME : ISHVARYA S
REG NO : 21C037
EMAIL : ishvaryasathya@gmail.com
DEGREE : Bachelor of Engineering (Computer Science and Engineering)

PROFESSIONAL OBJECTIVE

To work in a highly competitive environment, embrace challenges, and utilize my training and skills to make a significant contribution to the company's success.

ACADEMICS DETAILS

CLASS/COURSE	NAME OF THE INSTITUTION	BOARD OF STUDY	YEAR OF PASSING	OBTAINED %/CGPA
B.E. (CSE)	Thiagarajar College of Engineering	Anna University (Autonomous)	2025	9.50*
XII	D.A.V Girls Senior Secondary School,Chennai, India.	CBSE	2021	97.2%
X	Alpha School,Chennai, India	CBSE	2019	95.2%

*CGPA (out of 10) up to 6th Semester.

CERTIFICATIONS

- Awarded Certificate of Completion in **"Python 3.4.3 Training"** by the Spoken Tutorial Project organized by **IIT Bombay**.
- Awarded Certificate of Completion in **"C Training"** by the Spoken Tutorial Project organized by **IIT Bombay**.
- Foundational Course in **Entrepreneurship Development** by TCE NEN.
- Certified in Problem Solving**(Basic)** in **Hackerrank.**

TECHNICAL EXPERTISE

- Programming Languages : Python, Java , C
- Development Tools : Visual Studio Code
- Framework : Angular, Flask, Django(Basics)

PROJECTS

Title	: Dental Hand Gesture Recognition	Team Size: 2
Tech Stack	: Flask,OpenCV,Mediapipe,HTML,CSS,Javascript	Status: Completed

Developed a web application with the primary objective of translating hand signals made by dental patients into voice commands. The application addresses communication challenges that arise during dental procedures, where verbal communication is often impractical. Main functionalities include continuous monitoring of patient's hand gestures for valid signs and generating voice alerts for attending dentists upon detection.

This innovative solution was showcased at the PROJECT EXPO conducted by the IIT Madras Research Park and received recognition and presented at the 12th International Conference for Problem Solving and Soft Computing (SOCPROS 2023).

Title	: Fitness Tracker for Gym Exercises and Yoga Poses	Team Size: 2
Tech Stack	: Flask,OpenCV,Mediapipe,HTML,CSS	Status: Completed

A fitness tracker application that utilizes computer vision to recognize and analyze yoga poses and gym exercises. The application recognizes correct yoga postures and counts the number of times the gym exercise is performed. It provides personalized feed-backs through their e-mails. This solution was presented at the Machine Learning 48-hour Hackathon 2023 conducted by CSI Association,securing the first place.

Title	: Hostel Hub- A Hostel Management System	Team Size: 3
Tech Stack	: Django,OpenCV,MySQL,HTML,CSS, Javascript	Status: Completed

Created a comprehensive web application to streamline hostel-related operations, including a food poll feature to optimize food resource management by monitoring and reducing wastage. Additionally, implemented real-time status tracking for on-site shops and a query submission system for reporting plumbing and electrical issues within the hostel premises. This project was presented in the F'stival 2023- A Flagship event by Glugot Association.

PERSONAL SKILLS

- Problem Solving
- Interpersonal Communication
- Leadership

AREA OF INTEREST

- Data Structures and Algorithms
- Computer Vision
- Machine Learning

PUBLICATIONS

- Presented the Project Dental Hand Gesture Recognizer at the **12th International Conference for Problem Solving and Soft Computing (SOCPROS 2023).**

ACHIEVEMENTS

- **Academic First** in Computer Science & Engineering Department - **Silver Medal Recipient** (Second Year).
- Awarded **Certificate of Appreciation** for the presentation of the Dental Hand Gesture Recognition project at the prestigious **Project Expo** hosted by **IIT Madras** Research Park,Taramani.
- **Certificate of Achievement**: Best Presentation on Skilled Labor Employment - **Design Thinking Presentation** on Demo Day.
- Secured the 1st **place** in the **48- hour Hackathon-** on Machine Learning conducted by **CSI Association**.
- Secured the 1st place in **PYSTAR** Contest- a coding event conducted by **GLUGOT Association.**
- Awarded the 1st place in **Code Mantra -** and 1st place in **Battle with DSA** conducted by the **CSI Association** and **IE Student Chapter.**
- Secured the 1st place in **ULTIMATE STAR** Contest conducted by **GLUGOT Association.**
- Simplifying **Data Analysis and Algorithms topics** into a comprehensible resource, boosting students' confidence and exam readiness with **'DAA Simplified'** book on **Amazon KDP** (In progress)

CO-CURRICULAR ACTIVITIES

- **Finalists** in the 24-hour long **Caterpillar CODE-A-THON 2023** organized by **Caterpillar Company**.
- **Finalists** in the 2022 **IIT Madras Research Park 6- hour Student Hackathon on Vision, AI, and Machine Learning.**
- Participated in the **2022 ICPC Asia Amritapuri First Round** Online Programming Contest.

- Active participation in coding platforms like **Hackerrank, LeetCode, GeeksforGeeks** and solved around **100 algorithmic problems**
- **Finalists** in the **STARTUP TN DevHack Hackathon 2023** conducted by Government of TamilNadu.

EXTRA-CURRICULAR ACTIVITIES

- Serving as **Joint Treasurer at Coders Club ,TCE.** (September 2023 – Present)
- Served as a **YRC volunteer** for many Social Services on various occasions.
- Served as a **Student Committee Member** for the III and V semester.
- Performed **Master of Ceremonies(MOC)-** Proficiently led and hosted sports events and first-year orientation programs.
- Secured the 10th place in the **Inter Department Chess Tournament** conducted by Thiagarajar College of Engineering,Madurai.
- **1st Place Winner-** Camlin Drawing Contest (India level)- Theme: "Your Inspiration"

PERSONAL DETAILS

CONTACT ADDRESS

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T Nagar,Chennai – 600017.

Ph **-** 9342268963
Email: ishvaryasathya@gmail.com

Date Of Birth	: 26.09.2003	**Age:** 20	**Gender :** Female
Father Name's	: S Suresh		
Mother tongue	: Tamil		
Languages Known	: English (Read, Write, Speak)		
	Tamil (Read, Write, Speak)		

DECLARATION

I, **S ISHVARYA,** do hereby confirm that the information given above is true to the best of my knowledge & belief.

Date: 23-09-2023
Place: Madurai

SIGNATURE
(S ISHVARYA)