



THIAGARAJAR COLLEGE OF ENGINEERING

A Government Aided ISO 9001:2000 Certified Autonomous Institution Affiliated to Anna University)

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NAME : JEYASAKTHI R

REG NO : 21H019

DEGREE : Bachelor of Technology (Computer Science and Business Systems)



PROFESSIONAL OBJECTIVE

To apply my expertise in full-stack development, programming, and explainable AI to build scalable, impactful solutions that enhance user experience and business performance. With a strong foundation in problem-solving and proven leadership in both academic and extracurricular initiatives, I aim to grow as an adaptable technologist while contributing to cutting-edge projects in a collaborative environment.

CLASS /COURSE	NAME OF THE INSTITUTION	BOARD OFSTUDY	YEAR OF PASSING	MARKS /CGPA %
B.Tech (CSBS)	Thiagarajar college of Engineering, Madurai	Anna University	2025	7.62
XII	CEOA Matriculation Higher Secondary School, Madurai	Tamil Nadu State Board	2021	95.8
X	CEOA Matriculation School, Madurai	Tamil Nadu State Board	2019	95.2

*CGPA upto 8th semester

TECHNICAL EXPERTISE

Programming Languages: C, C++, Core Java, Python, SQL.

Front-end Frameworks: HTML, CSS, React.

Back-end Frameworks: Node.js, Express.js.

Tools: Visual Studio Code, Atom, Eclipse, MATLAB, Postman.

Database: MongoDB

PERSONAL SKILLS

- Leadership
- Problem Solving – Lateral Thinking and Critical Thinking
- Team Management
- Creativity

EXPERIENCE

HER LAWS – A Web Development In-Lab Intern

- Developed a platform aimed at educating women about their rights and providing essential information for filing complaints related to harassment.
- Created resources detailing available schemes and scholarships for women.
- Contributed to the project by designing user-friendly interfaces and implementing backend functionality to support the platform's objectives.

Web Development Intern - *Phoenix Softech* (Dec 2023 – Jan 2024)

- Contributed to the development and optimization of a dynamic e-commerce website, enhancing user experience and functionality.
- Assisted in coding and debugging using technologies such as HTML, CSS, JavaScript, and PHP.
- Engaged in front-end and back-end development tasks.

ACADEMIC PROJECTS

➤ **PERT Solver**

Role: Developer

- Created a website for solving PERT (Program Evaluation Review Technique) problems, enabling users to input optimistic, pessimistic, and most likely values to compute project timelines, critical paths, and generate forward and backward pass graphs.

➤ **IoT Automation of Lights and Fans**

Role: Developer

- Implemented IoT solutions to control and automate lighting and fan systems, aiming to optimize energy consumption in a given environment. Developed and integrated IoT protocols for efficient energy management.

➤ **Book Store**

Role: Developer

Designed and implemented a full-stack web application for managing an online bookstore using React, Node.js, Express.js, and MongoDB. Built user interfaces for browsing, searching, and managing books while integrating backend APIs for CRUD operations.

➤ **Explainable AI for Early Detection and Characterization of Retinal Pathologies in OCT images**

Role : Developer

- Implementation of an explainable AI-based model for retinal illness classification that offers precise diagnoses together with open information on the decision-making process. It uses Deep Learning models to perform the calculations involving the prediction of disease.

CERTIFICATIONS

- Full Stack Development Course – Coursera
- C++ Language from Spoken Tutorial, IIT Bombay
- Java Language from Spoken Tutorial, IIT Bombay
- Python Language from Spoken Tutorial, IIT Bombay
- Python 3.x Programming Course, SkillRack
- Deep Learning , IIT-Ropar, NPTEL

ACADEMIC ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- Joint Secretary of Branding Committee (Social Media Tracking and Content Creation) of Thiagarajar college of Engineering.
- Interviewed 4 ISRO scientists for the social media page of TCE on behalf of the member of branding committee
- Social Media Lead of the Youth Red Cross, Thiagarajar College of Engineering.
- Class Representative.
- School Pupil Leader for 2 years, CEOA Matriculation Higher Secondary School.
- Band lead for 3 years, CEOA Matriculation Higher Secondary School.
- Secured National Level Silver in All Indian Yoga Association held at Goa.

SEMINARS And WORKSHOP ATTENDED

- One day workshop on Strategic Branding, Conducted by Branding team of TCE.
- Workshop on Fire Safety, conducted by the Fire department – Melur
- Basic Life Support program, jointly organized by Rajaji hospital, TCE YRC, NSS.

HOBBIES

- Collecting coins
- Practicing Yoga
- Listening to Music

PROFESSIONAL PROFILES

LinkedIn: <https://www.linkedin.com/in/jeyasakthi-ramachandran-753b38254>

Portfolio: <https://jeyasakthiramachandran.github.io/Portfolio/>

CONTACT ADDRESS

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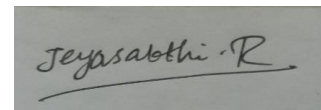
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Alagumalayan Nagar, Melapanangadi,
Madurai, Tamil Nadu – 625017.
Ph – +919042494126
Email: jeyasakthi00318@gmail.com

DATE OF BIRTH : 13-12-2003 **AGE** : 21 **SEX** : FEMALE
FATHER'S NAME : RAMACHANDRAN K
MOTHER TONGUE : TAMIL
LANGUAGES KNOWN : English (Read, Write, Speak)
Tamil (Read, Write, Speak)

I, **Jeyasakthi R**, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Madurai
Date: 20-08-2025



Signature