

SANTHIYA K

Portfolio: <https://santhiyaer.github.io/portfolio/>

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Professional Summary:

Computer Science Engineering graduate with hands-on experience in **HTML5, CSS, JavaScript, React.js, and MERN stack**. Skilled in building **responsive web applications** through academic projects and internships. Strong in problem-solving, teamwork, and developing **user-focused web solutions**.

Education:

Chettinad college of Engineering & Technology, Puliyur	2021 – 2025
B.E – CSE	CGPA: 8.3
Bharani Park Matric Higher Secondary School, Karur	2019 – 2021
HSC	88%
Vivekanandha Matric Higher Secondary School, Karur	2018 – 2019
SSLC	84%

Technical skills:

- **Languages:** Java, C
- **Web Technologies:** HTML5, CSS, Tailwind CSS, Bootstrap, JavaScript, ReactJs
- **Database:** MYSQL , MongoDB (CRUD Operations)
- **Tools:** Git, GitHub, PowerBi, Excel
- **IDEs:** VS Code, Android Studio
- **SoftSkills** — Adaptive Learning | Collaborative Leadership | Problem solving | Empathetic Communication

Projects:

[Multi-Modal CNN based Stroke Detection from CT images and Clinical Data](#) ↗

- This research integrates CT images and patient clinical data to improve stroke prediction. A CNN extracts image features, while ML models use key clinical variables like blood pressure, glucose, and age. Combining these features enhances prediction accuracy beyond traditional CNN-only approaches.

[Smart Stock Tracker using IOT - Real-Time stock updates and priority messaging](#) ↗

- Developed an IoT-based Ration Shop Stock Tracker using Python, OpenCV, TensorFlow, and Twilio API for automated real-time stock monitoring. Integrated AI-powered image processing and SMS alerts to ensure efficient stock management and timely beneficiary communication.

[Rural Youth Career Guidance Website](#) ↗

- Developed a dynamic website using HTML, CSS, JavaScript, PHP, and MySQL with an intuitive UI/UX design. The platform includes Rural Career Information Centers, career exploration tools, online learning modules, and mentorship features to support rural youth in career development.

[Personal Portfolio](#) ↗

- Developed a personal portfolio using ReactJs with React router DOM for smooth , multi-navigation.

Internships & Certifications:

- **Internship in Web Development, Maac Technologies | Feb - Apr [2025]**
 - Completed hands-on training in Html5, CSS, JS.
 - Gained additional exposure to Mysql and PHP for backend integration.
- **MERN Stack Intern, Zaalima Development | Oct - Dec [2025]**
 - Worked on MERN stack development using **MongoDB, Express.js, React.js, and Node.js**
 - Implemented **CRUD operations** in MongoDB
 - Built **responsive UI** using **Tailwind CSS**
- **Implant in Web Development, NewTech Institute | Apr [2023]**
 - Completed hands-on training in HTML5, CSS and Bootstrap
- C, Python with Data Science & Java – COGTIS Technologies Pvt Ltd
- Introduction to AI – Simplilearn
- Programming with Python 3.X – Simplilearn
- Introduction to FrontEnd Development – Simplilearn
- Data Analytics Job Simulation – Certified by Deloitte, Forage.

Workshops & Involvements:

- Participated in Zoho Young Creators Program, gaining hands-on experience with Zoho Creator and DELUGE scripting to develop a functional Event Management Application.
- In 2023 National Level Workshop on Deep Driven Data Visualization using BI Tools from Karpagam College of Engineering, Covai.
- Had successfully participated in the 8-hour Nonstop Tech Trek Hackathon Season 1 at PPG Institute of Technology, Coimbatore.
- In 2023 National Level Workshop on Introduction to Computational Social Science with Python from NIT Trichy.
- Presented a paper in the National Level Technical Symposium at M. Kumarasamy College of Engineering and technology, Karur.
- Presented a paper in the National Level Technical Symposium at V.S.B Engineering College Karur.
- Had certified on Both Tamil & English Typewriting in First class with Distinction.
- Participated and received a certificate in the Aarambam 9.0 Business Plan Competition Finale conducted by StartupTN.(Finalist)

Honors & Awards:

- Won 1st place on Badminton organized by Chettinad College of Engineering & Technology.
- Won 2 nd place on Badminton organized by Chettinad College of Engineering & Technology.
- Won First Prize in Competitive Exam for Tamil Lower Typewriting.
- Won III Prize in Competitive Exam for Tamil Higher Typewriting.
- Awarded Best Outgoing Student in the Department of Computer Science and Engineering, 2025.