



Dhanush A



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dhanush06

EDUCATION

Sri Sivasubramaniya Nadar College of Engineering

Chennai, TN

Bachelor of Technology in Information Technology **CGPA:** 8.50 / 10

Expected May 2026

Alpha Matriculation Higher Secondary School

Chennai, TN

Class 12th (Computer Science with Mathematics) **Percentage:** 93.67%

2021 – 2022

Achievement: Perfect Score (100/100) in **Mathematics** and **Computer Science**

TECHNICAL SKILLS

Languages

Python, C++, JavaScript, HTML/CSS, SQL

Frameworks & Libraries

React.js, Node.js, Express.js, Flask

Tools & Technologies

GitHub, Postman, VS Code, MongoDB

PROFESSIONAL EXPERIENCE

Software Developer Intern, KaReFo

May 2025 – Jun 2025

- Developed a **Tamil Typing Tutor** and **Digital Writing Pad** in **React.js**, featuring guided lessons, virtual keyboard, stroke-based Tamil letter learning, and real-time practice - adopted by **50+ schools** and used by **10,000+ users**.
- Designed and trained a **CNN in Python** achieving **91% accuracy** in recognizing handwritten Tamil words integrated within the writing pad.
- Built an AI-powered **Tiger and Goat logic game** in **React.js** using **Alpha-Beta Pruning** and **Transposition Tables**, offering 3 difficulty levels for an engaging user experience.

PROJECTS

Pathfinding Visualizer [JavaScript](#), [React.js](#), [CSS](#) [GitHub](#) [Live Demo](#)

Jul 2024

- Built an interactive visualizer for **5 algorithms**: Dijkstra, A*, BFS, DFS, and Best-First Search.
- Added maze generation and smooth animation for enhanced user experience.

AI Mock Interview Platform [React.js](#), [Node.js](#), [Express.js](#), [MongoDB](#) [GitHub](#) [Demo Video](#)

Jul 2025

- Developed a full-stack platform for AI-driven mock interviews with **JWT-based authentication** and **email verification**. Integrated Gemini API to deliver tailored, context-aware, and resume-based interview questions.

LEADERSHIP

- DSA/CP Sub-Head, Procode IT Club:** Conducted coding sessions for **100+ students** and designed a structured DSA crash course for peers and juniors.
- Event Organizer, Invente Day:** Led the technical event “Codera” with 120+ participants; handled event planning and coordination.

ACHIEVEMENTS AND CERTIFICATIONS

- Solved **600+** problems on Leetcode and **400+** problems on various coding platforms [link](#) [link](#)
- Elite + Silver Badge** 75% in Programming in Modern C++ [link](#)