

DHANUSH A

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EDUCATION

Sri Sivasubramaniya Nadar College of Engineering

B.Tech Information Technology, (Register No. 3122225002029)

CGPA: 8.63 (Till 4th Semester)

Course Work: Data Structures and Algorithms, OOPS, Design Patterns, DBMS, Computer Networks

Chennai, TN

Expected 2026

Alpha Matriculation Higher Secondary School

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

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

Chennai, TN

2021 - 2022

TECHNICAL SKILLS

Languages

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

Libraries/Frameworks

Node.js, Express.js, React.js, MongoDB, Django, Flask, Tailwind CSS

PROJECTS

PathFinding Visualizer 🐙 [code](#) [JavaScript](#), [ReactJS](#), [HTML](#), [CSS](#) 🔗 [demo](#) July 2024

- Engineered an interactive web application using [ReactJS](#) to visualize Search various algorithms.
- Integrated 5 search algorithms: [Dijkstra's](#), [BFS](#), [DFS](#), [A* Search](#), [Best First Search](#) and maze generation algorithms: [Recursive Division](#), [Vertical Division](#), [Horizontal Division](#), [Staircase Maze](#), and [Randomized Wall Building](#).

Hotel Takeaway App 🐙 [code](#) [Python](#), [Flask](#), [JavaScript](#), [HTML](#) 🔗 [video](#) Jan 2024

- Developed an interactive web application using [Python Flask](#) for food order management, menu updates, and real-time customer notifications.
- Applied 5 design patterns including [Singleton](#), [Factory Method](#), [Strategy](#), and [Observer](#) to ensure efficient system management.

Chat Application 🐙 [code](#) [MERN Stack](#), [JWT](#), [Socket.io](#) 🔗 [video](#) May 2024

- Created a real-time chat application using the [MERN stack](#) with [Socket.io](#) for instant messaging.
- Enabled bi-directional communication with [Socket.io](#) for real-time message exchange. Implemented [JWT](#)-based authentication for secure user sessions and access control.

Tourist Management System 🐙 [code](#) [Python](#), [Flask](#), [RDBMS](#), [SQL](#) Dec 2023

- Enables users to seamlessly register, explore travel destinations, select and book packages, and manage bookings, including checking booking dates.
- Provides administrators with tools to add, update, or remove destinations, track monthly revenue.

LEADERSHIP

- Procode IT Club DSA/CP Sub-Head:** Responsible for leading sessions for students in DSA/CP
- Technical Head, Invente Day (Technical Fest):** Led and coordinated a team to organize and execute technical events, managing event scheduling and team collaboration.

ACHIEVEMENTS AND CERTIFICATIONS

- Solved **300+** problems on Leetcode and **200+** problems on various coding platforms 🔗 [Dhanush_A06](#)
- Elite + Silver Badge** 80% in Programming in Java by IIT Kharagpur 🔗 [link](#)