

Vignesh S Naik

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EDUCATION

Govt Model Engineering College, Thrikkakara	CGPA: 7.3
<i>B.Tech in Computer Science and Engineering – APJ Abdul Kalam Technological University</i>	2021 – 2025
TD HSS Thuravoor	97.8%
<i>Higher Secondary – Kerala HSE</i>	2019 – 2021
Kendriya Vidyalaya No 1, Naval Base, Kochi	89.4%
<i>Matriculation – CBSE</i>	2019

TECHNICAL SKILLS

C (*Advanced*), **C++** (*Advanced*), **Java** (*Intermediate*), **Go** (*Intermediate*), **JavaScript** (*Intermediate*).
Web Technologies: React.js, Node.js, TypeScript, Next.js, TailwindCSS, Hugo, Astro.
Tools: Docker, Git, GitHub, Figma, Canva.
Database: SQL, NoSQL, Supabase.
Operating Systems: Linux, Windows.
Soft Skills: Leadership, Team Collaboration, Communication, Problem-Solving, Project Management, Critical Thinking.
Other: Data Structures and Algorithms.

PROJECTS

- Online Compiler System with Visualizer** | *React, Node.js, Express.js, Docker, CodeMirror* July 2024 - Present
- Developing an online compiler system supporting multiple programming languages, enabling secure code execution with sandboxing.
 - Integrating a real-time data structure visualizer to facilitate code understanding by illustrating changes in data structures such as arrays, linked lists, trees, and graphs.
- Portfolio Website** | *Astro, HTML/CSS* June 2024
- Designed a personal portfolio website using the Astro framework to showcase projects and skills
 - Deployed the website on GitHub Pages, ensuring a 100% uptime with a responsive UI that adapts seamlessly across mobile and web devices.
- Tokenization of Physical Assets** | *React.js, SupaBase, Smart Contracts, Moralis API* Sept 2023 – April 2024
- Developed an application for tokenizing and trading physical assets using NFTs, enabling 20% faster asset verification through smart contract automation.
 - Built a front-end for asset tracking and transaction verification, improving transparency in asset management.
- xTend** | *Arduino, Flutter, NodeMCU, Firebase API* Sept 2022 – Dec 2023
- Reduced emergency response time by 30% through real-time health monitoring and secured a place in the Top 50 of the Samsung Solve for Tomorrow 2022 competition.
- Zenith** | *React, Node.js, Express.js, Supabase* Oct 2023
- Built a full-fledged financial planning app within 24 hours during a hackathon (MEC.hack '23).

EXTRACURRICULAR ACTIVITIES

- Chairperson, TLE MEC** Jun 2024 – Present
Competitive Coding and Data Structures and Algorithms Club Govt Model Engineering College
- Led a dynamic team of students in organizing workshops, coding competitions and fostering a collaborative environment for skill development.
 - Implement initiatives to increase club visibility and membership, resulting in a 30% growth in active participants.
- Web Administrator, MACS MEC** Jun 2024 – Present
Association of Computer Science Engineering Students Govt Model Engineering College
- Reduced page load times by 20%, improving the user experience for the official college website.
 - Led a team of 5 developers to optimize the back-end integration.

Competitive Programming Lead, TLE MEC

Jun 2023 – May 2024

Competitive Coding and Data Structures and Algorithms Club

Govt Model Engineering College

- Coordinated with a team of 12 members to organize 5+ competitive programming events, attracting 100+ participants.
- Conducted 3 workshops, improving coding proficiency for over 100 students.

Project Manager, MACS MEC

Aug 2023

College Fresher Registration Portal

Govt Model Engineering College

- Led a team of 5 developers to streamline backend operations for the registration portal, ensuring efficient management of college registrations.

ACTIVITIES AND ACHIEVEMENTS

Secured Top 50 in Samsung Solve for Tomorrow 2022 at national level.

Volunteer at IDEALab, a MATLAB training program accommodating 80+ Higher Secondary students.