Aravind Kumar S

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Summary

Computer Science and Engineering undergraduate and Web Development Intern at **Techy Workers**. Skilled in **React, Node.js, Express, REST APIs, MySQL, Firebase, and Git**. Strong foundation in Data Structures, Algorithms, DBMS, and problem solving, with experience building scalable, user-focused full-stack applications.

Experience

Techy Workers – Full-Stack Developer (MERN) *Dec 2025 – Jan 2026*

- Designed, developed, and maintained scalable full-stack web applications using the **MERN** stack.
- Improved application performance by **25%** through component optimization, code refactoring, and reduced API latency.
- Identified and resolved production-level bugs, improving application stability and user experience.
- Collaborated in an Agile environment using **Git**, peer code reviews, and issue tracking tools.

Projects

OnTrack – AI-Driven Fleet Management Dashboard GitHub

- Designed and built an AI-powered fleet management dashboard monitoring **40+ trainsets** in real time.
- Integrated a natural language AI assistant with a safety-first confirmation workflow.
- Developed secure **RESTful APIs** with real-time synchronization using **Firebase Firestore**.
- Implemented authentication, authorization, and role-based access control.
- Built responsive dashboards using **React** and **TypeScript**; deployed on **Vercel**.

Farmer's Inventory Management System GitHub

- Developed a full-stack inventory management system to track products, stock levels, and sales.
- Designed a normalized **MySQL** database schema for data integrity and optimized queries.
- Built secure **RESTful APIs** using Node.js and Express.js with role-based access control.
- Implemented dashboards and analytics using **Chart.js**.

Education

2024–2028	**B.Tech in Computer Science and Engineering (IoT)**, Shiv Nadar University, Chennai	CGPA: 9.405
2023–2024	Class XII (CBSE)	92%
2021–2022	Class X (CBSE)	93%

Skills

- **Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- **Frameworks:** React, Node.js, Next.js, Express.js, Flutter, FastAPI
- **Databases & Tools:** MySQL, Firebase Firestore, Git, Postman, Vercel
- **Core:** Full-Stack Development, AI, DSA, OOP, DBMS, REST APIs

Achievements

- **Winners, SNUC Hacks 2024** – Secured **1st place** among university teams by delivering a complete technical solution under strict timelines.
- **Smart India Hackathon (SIH)** – Internal Round Winner; qualified for further selection based on technical feasibility.
- **Solved 150+ LeetCode Problems** – Demonstrated consistent proficiency in **Data Structures and Algorithms**.
- **Technical Volunteer** – Supported university technical events, workshops, and coding competitions.