

SAGAR VISHWAKARMA

+91 62634 58133 sagarjha7174@gmail.com [LinkedIn](#) [github/sagarjha7174](https://github.com/sagarjha7174) sagarjha.in

Education

International Institute of Information Technology, Hyderabad

B.Tech in Electronics and Communication Engineering

Expected May 2029

CGPA: 8.65

Jawahar Navodaya Vidyalaya, Tikamgarh (CBSE)

Senior Secondary (Class XII)

May 2025

87%

Experience

Software Developer (Core Tech Team)

ForensIQ – Early-stage Forensic Collaboration Startup | forensiq.in

2026 – Present

Jhansi, India

- Part of a **3–4 person core tech team** building a live forensic SaaS platform, collaborating directly with the founding team on feature delivery and system design.
- Contributing to a multi-role platform serving **4 user personas** (student, client, institution, professional) with role-based access control across **10+ protected API routes** and persona-specific dashboards.
- Independently developing an **extended feature module** at forensiq.sagarjha.in (in development) – built solo using React, Node.js, Express.js, and Supabase.
- Shipped features including auth flows, role-based dashboards, and responsive UI – serving real users with **99%+** uptime on Vercel + Render.

Tech Team Member

Felicity – Annual Cultural Fest, IIIT Hyderabad

2026

Hyderabad, India

- Selected for the official tech team of **Felicity**, IIIT Hyderabad’s flagship annual cultural fest, building and maintaining the fest’s web presence.
- Developed responsive frontend components for event registrations and schedules serving **3000+ students**.

Projects

EcoWaste – Waste Pickup Management Platform | [Live Demo](#)

Technologies: HTML, CSS, JavaScript, PHP, Google Maps API

2026

- Designed a **3-role** web platform (user, driver, admin) for scheduling and managing waste pickup requests, cutting manual task coordination by an estimated **60%**.
- Integrated **Google Maps API** for real-time location-based pickup routing, reducing average route planning time across driver assignments.

Real-Time Machine Data Monitoring System

Technologies: HTML, CSS, JavaScript, PHP

Jun 2025 – Jul 2025

- Engineered a production tracking dashboard monitoring **5+ real-time machine metrics** (utilization, cycle time, tonnage) across a live manufacturing floor.
- Streamlined breakdown and changeover logging, replacing **100%** of manual log entry with automated capture and saving an estimated **2+ hours/day** of documentation effort.

TwixT Strategy Board Game

Technologies: C, Graphs, DFS

Sep 2025 – Oct 2025

- Constructed a complete command-line TwixT game on a **24×24 grid (576 nodes)** with modular architecture and full rule enforcement in under **1,200 lines of C**.
- Devised a **DFS-based pathfinding** algorithm for win detection and graph-based link management with collision detection.

Achievements & Leadership

- Qualified JEE Mains & JEE Advanced** – Cleared both stages of India’s most competitive national engineering entrance examinations.
- Selected to IIIT Hyderabad** – Secured a seat at one of India’s premier CS/ECE institutions.
- School Captain, JNV Tikamgarh** – Elected head student leader, representing the student body and leading school-wide initiatives.
- JNV Scholar** – Selected through the national-level JNVST exam, admitting top-performing students from rural India.

Technical Skills

Languages: C, C++, Python, JavaScript, SQL, PHP

Web Development: React, Node.js, Express.js, HTML, CSS, Tailwind CSS, REST APIs

Databases & Tools: Supabase, Git, Linux, Arduino, Google Maps API, Vercel, Render

Core CS: Data Structures & Algorithms (Arrays, Linked Lists, Trees, Graphs, DFS/BFS, Recursion, Sorting, Hashing), Operating Systems (Basics), Computer Networks (Basics)

Relevant Coursework

Computer Science: Data Structures and Algorithms, Algorithm Design, Operating Systems, Computer Networks

Electronics: Embedded Systems, Digital Design, Signal Processing

Development: Full-Stack Web Development, Database Systems