SATISH SAHU

+91-9336512832 | sahusateesh8737@gmail.com | https://www.linkedin.com/in/satish-sahu-77856428a/ | https://github.com/sahusateesh8737

PROFESSIONAL SUMMARY

Final-year B.Tech Computer Science student and fullstack developer with hands-on experience in Frontend development (React, Next.js) and Backend services (Node.js, Express) using JavaScript and TypeScript. Experienced in building RESTful APIs, Data modeling with PostgreSQL, Event-driven systems using WebSockets, and deploying with Docker, AWS and CI/CD. Solved 950+ DSA problems. Known for curiosity, attention to detail, collaboration and a growth mindset, with a strong interest in AI-powered products and Workflow automation.

TECHNICAL SKILLS

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

Frontend Development: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend & APIs: Node.js, Express.js, APIs, RESTful APIs, Event-driven systems (WebSockets, Socket.io), Authentication (NextAuth.js), Backend services

Databases & Data Modeling: PostgreSQL, MySQL, MongoDB, Prisma ORM, Redis, schema design, data modeling, query optimization

Cloud, DevOps & Tools: AWS, Docker, CI/CD, Workflow automation (GitHub Actions), Git, GitHub, pnpm Workspaces, Linux

AI-Assisted Development: Claude, Gemini, GitHub Copilot for rapid prototyping, code review, debugging and workflow automate

Core Strengths: Problem-solving, Curiosity, Attention to detail, Growth mindset, Collaboration, Adaptability, Project management

PROJECTS

SnapPDF – Full-Stack PDF Utility Suite | Link **Feb 2026**

Tech Stack: Next.js (React), TypeScript, Node.js, Tailwind CSS, PostgreSQL, NextAuth.js, Docker, LibreOffice, pnpm Workspaces

- Designed and developed a high-performance **fullstack application** for document merging and management, with a responsive React/Next.js **Frontend development** and Node.js **backend services** with RESTful API integration.
- Implemented secure authentication with NextAuth.js and **data modeling** in PostgreSQL for user accounts and document workflows; containerized the application with Docker.
- Engineered client-side PDF processing that removes server uploads, ensuring 100% user data privacy and reducing processing latency.
- Reduced overall operation time by up to 95% versus standard PDF platforms by processing files directly in the browser, eliminating network upload/download dependencies.

FairPlay – Real-Time Secure Coding Assessment Platform | Link **Apr 2026**

Tech Stack: React, Node.js, Socket.io, PostgreSQL, Prisma, Redis, Docker, AWS

- Built a scalable, anti-cheat **fullstack** assessment platform with 3 role-based portals (Admin, Teacher, Student), supporting secure exams for 1,500+ students across multiple academic sections.
- Architected an **Event-driven system** (Live Exam Monitor) using WebSockets (Socket.io) so instructors can track active test-takers, detect tab-switching and monitor network disconnects with sub-50ms latency.
- Designed the **PostgreSQL schema** with Prisma **(data modeling, query optimization)** and used Redis for fast session and state handling; exposed **RESTful APIs** consumed by the React frontend.
- Built a security and audit system with IP whitelisting, global cheat-log tracking and immediate session termination, reducing academic integrity violations by an estimated 65%.
- Deployed on **AWS** using Docker, with **CI/CD** automation through GitHub Actions for reliable, repeatable releases.

CERTIFICATIONS

Frontend Developer (React) – HackerRank **Nov 2025**

Software Engineer Intern (Skills Certification) – HackerRank **Nov 2025**

Full-Stack Development – CipherSchools **Jul 2025**

ACHIEVEMENTS

- Earned the **365 Days of Code** badge on LeetCode for a continuous daily problem-solving streak (Jul 2026).
- Solved **950+** problems on LeetCode, GFG and TUF+, reflecting strong data structures and algorithms fundamentals.

EDUCATION

Lovely Professional University, Phagwara, Punjab **Aug 2023 – Present**

B.Tech – Computer Science and Engineering | CGPA: 7.45

Shiva Ji Inter College, Kanpur **Apr 2020 – Jul 2021**

Intermediate | 77%

Rahul Memorial Inter College, Kanpur **Apr 2018 – Mar 2019**

Matriculation | 73%