

Sagar Gupta

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SUMMARY

Results-driven CS Engineering student (CGPA: 9.18) blending full-stack MERN expertise with AI systems and UI/UX design. Hackathon winner passionate about engineering scalable, user-centric web applications and transforming complex problems into elegant, real-world solutions.

EDUCATION

JIS University

B.Tech in Computer Science Engineering — CGPA: 9.18

Kolkata, West Bengal

2023 – 2027 (Expected)

EXPERIENCE

Freelance Full-Stack Developer

Remote

The Pixel Forge

May 2026 – Present

- Delivering responsive MERN-stack web applications, managing end-to-end development from UI/UX design to deployment.
- Built and deployed 3 comprehensive client projects with custom backend APIs and secure database integrations.

TECHNICAL SKILLS

Languages: JavaScript (DOM, ES6+), Python, C, HTML5, CSS3

Frameworks & Libraries: React.js, Node.js, Express.js, Redux, Socket.IO

Database: MongoDB, Redis (Basics)

Tools & Technologies: Figma, Git, GitHub, Postman, ImageKit, Tailwind CSS, SCSS, JWT

Core Concepts: UI/UX Design, Data Structures & Algorithms, RESTful APIs, Prompt Engineering

PROJECTS

PolyMind | *React.js, Node.js, Express.js, MongoDB, Redux, Socket.IO, JWT*

2025 – Present

- Built a full-stack AI chat platform integrating multiple AI providers (OpenAI, Mistral) with real-time response streaming using `ReadableStream` and custom HTTP headers.
- Engineered secure cookie-based JWT authentication and architected a 4-layer Redux state management system with Socket.IO for persistent, independent user chat histories.

GreenSense AI | *Python, AI, Full Stack Development*

Apr 2026 – Present

- Building an AI-based environmental analysis platform to detect ecological issues and recommend sustainable solutions.
- Integrating computer vision and NLP to process environmental data and generate real-time insights.

The Silent Voice – Sign Language Converter | *Python, AI, Computer Vision*

Jan – Feb 2026

- Built a real-time sign language recognition system that converts hand gestures into text and voice output.
- Awarded 2nd Place among 50+ teams at a hackathon; recognized for innovation and social impact.

ACHIEVEMENTS

2nd Place – Hackathon | “The Silent Voice” – Sign Language to Real-Time Text & Voice Converter

Jan – Feb 2026

- Competed against 50+ teams; recognized for innovation and social impact.

CERTIFICATIONS

Full Stack Development with Python — Workbuds | Cyber Security & Ethical Hacking — Workbuds

Java Programming — NPTEL | Python Programming — Uphoria GenX

Prompt Engineering — InternShala (*In Progress, completing within 2 weeks*)

EXTRACURRICULAR

Creative Arts & Music: Drawing instructor applying strong visual aesthetics to UI/UX workflows; multi-instrumentalist (Guitar, Cajón, Tabla) performing at multiple college events.