

KARAMJEET SONY

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EDUCATION

Degree	Year	Board	CGPA
B.Tech (Computer Engineering)	2023–2027	Delhi Technological University, New Delhi	7.4
CBSE (Class XII)	2020–2022	Govt. Boys Senior Secondary School, Nithari	74.2%
CBSE (Class X)	2019–2020	Ch. Baldev Singh Senior Secondary School	81.2%

PROJECTS

Swasthya Saadhna | [Github](#) | [Live](#) | *Next.js, Google Gemini API, MongoDB* **Jan 2025 – Mar 2025**

- Developed an **AI-powered health assistant** addressing accessibility gaps in **medical advice** and **mental wellness**, using **OCR** to parse handwritten/digital prescriptions and provide dosage, timing, and duration guidance.
- Designed **multilingual, context-aware prompt templates** for **Google Gemini API** to simulate doctor-like consultations in **Hindi, English**, and **regional languages**.
- Built a **smart health tracker** to monitor doctor-prescribed or **AI-generated routines**, offering **real-time assistance** for symptoms, queries, and daily adherence.
- Blended **Ayurvedic principles** with modern science to deliver **holistic recovery plans** including mental wellness checks and dietary recommendations.

X-Room | [Github](#) | [Live](#) | *Node.js, Next.js, MongoDB, JWT, Socket.io, SendGrid* **Jul 2025 – Present**

- Built a **interview scheduling platform** that auto-manages candidate flow, handles **no-shows gracefully**, and ensures smooth coordination between **HR and candidates**.
- Designed a **multi-layer fallback system**: on a no-show, auto-notifies next candidate; if declined, broadcasts prompt to top 5 queued users — first to confirm gets the slot.
- Implemented **secure JWT-based access** with **time-bound tokens** and **role-based protection** to prevent link misuse or unauthorized entry.
- Created two interactive **candidate lobbies**: a shared waiting area for discussions, and a focused 10-minute solo prep space with meditation and confidence-boosting prompts.
- Engineered **multi-stage interview confirmations** with auto-expiry links and **attendance logging**, enabling HR to track responses and optimize slots via **show/no-show analytics**.

CodeNation | [Github](#) | [Live](#) | *Node.js, React.js, Redis, MongoDB, Judge0, JWT* **2024**

- Built a full-stack online coding platform with **multi-language code execution**, **AI-powered hints**, and test case validation using **Judge0 API**.
- Added **JWT-based role authentication**, admin panel, and security features like rate-limiting and input sanitization.

AI FOR SOCIAL GOOD

Gyanam – AI for Rural India | [Github](#) | *Express.js, Twilio, Gemini, MongoDB* **Feb 2025**

- Built an **SMS-based AI assistant** using **Twilio** and **Gemini** to deliver **information & education** in **regional languages** to users in **rural India** — without requiring internet access.
- Built **Gyanam 2.0** to let rural users access AI via **simple phone calls** in their native language — now entire internet & information is on your voice.

TECHNICAL SKILLS

Languages: C++ (DSA), JavaScript, Python, Java, SQL
Web: HTML5, CSS3, Tailwind, React.js, Node.js, Express
Database: MongoDB, MySQL
Tools: Git, GitHub, Linux, VS Code

CODING PLATFORMS

- Solved **550+** problems on **LeetCode**. [↗](#)
- Solved **200+** problems across **GeeksforGeeks** and **InterviewBit**. [↗](#)
- Codeforces Rating: **1195**. [↗](#)

CERTIFICATIONS

- Smart India Hackathon 2024 – Internal Round Finalist. [↗](#) **Team NXT LEVEL — Sep 2024**
- Google Gen AI & Cloud Skills Foundation – Study Jam. [↗](#) **May 2024**
- Nexus Program – Completed Full-Stack & Blockchain Development and DSA. [↗](#) **May 2025**