

Rudraksha Singh Sengar

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EDUCATION

- **Dayananda Sagar College of Engineering, Bangalore, Expected Graduation: 2027** Karnataka, India
Bachelor of Engineering - Computer Science and Engineering; SGPA:8.2 November 2023

SKILLS SUMMARY

- **Languages:** Python, C, C++, **JavaScript**, **TypeScript**
- **Frontend Frameworks:** **React**, **Next.js**
- **CSS Frameworks:** **Tailwind CSS**
- **JavaScript Libraries:** **Three.js**, **Zustand**, **React Query**, **Framer Motion**
- **Cloud Native:** **Kubernetes CRDs**, **Headlamp plugin SDK**
- **Tools:** **Git/Github**, **DCO sign-off**, **ESLint**, **React Testing Library**
- **Platforms:** **Windows**, **Linux**

EXPERIENCE

- **PRED (PangoLabs)** Bangalore
Frontend Developer: React, Zustand, Tailwind CSS, React Query November 2025 – March 2026
 - **UI Implementation:** Converted **Figma designs** into pixel-perfect, reusable **React** components with a strong focus on responsiveness and design consistency.
 - **State Management:** Implemented global and local state management using **Zustand** to ensure predictable data flow and scalable component architecture.
 - **Modern Frontend Stack:** Worked on a high-performance frontend built using **React** with **Vite**, styled using **Tailwind CSS** for rapid UI development.
- **RemoteStar** Remote
Frontend Developer: Next.js, TypeScript, Framer Motion, Tailwind CSS March 2025 – November 2025
 - **Frontend Development:** Developed the entire frontend of RemoteStar's website using **Next.js**, **Tailwind CSS**, and **Framer Motion**.
 - **UI/UX Design:** Designed an intuitive and visually appealing user interface for an **AI-powered online interview platform**.
 - **Backend Connectivity:** Integrated the frontend with the backend, ensuring clean **API communication** and **data flow**.

OPEN SOURCE CONTRIBUTIONS

- **Headlamp (CNCF, [kubernetes-sigs/headlamp](https://github.com/kubernetes-sigs/headlamp)):**
 - Shipped **9+** **contributions** to the Kubernetes web UI, spanning CRD list components, the resource-map relations graph, router internals, units helpers, and the story-test layer. Full per-PR breakdown and rationale in the [living index gist](#).
 - Tech: **TypeScript**, **React**, **React Testing Library**, ESLint hooks-rule analysis.

FREELANCE

- **CompilerTech – Official Website [Deployment](#):**
 - Contracted as a **freelance frontend developer** to design and build the official CompilerTech website.
 - Delivered a modern, responsive, and high-performance UI using **Next.js** and **Tailwind CSS**.
 - Focused on clean **UI/UX**, accessibility, and smooth interactions to enhance user engagement.
 - Tech: **Next.js**, **TypeScript**, **Tailwind CSS**, **Framer Motion**
- **Segfault – Official Hackathon Website [Deployment](#):**
 - Developed the official website for the Segfault Hackathon, a compiler-focused event.
 - Built a dynamic and responsive interface showcasing event details, timeline, and submissions.
 - Designed a visually engaging UI with smooth animations using **Framer Motion**.
 - Implemented using **Next.js**, **TypeScript**, and scalable frontend practices.

VOLUNTEERING

- **PointBlank (Coding Club)** Member
Frontend Developer: Next.js, TypeScript, Framer Motion, Tailwind CSS, Cloudinary *February 2025 – Present*
 - **Custom Loader:** Designed and implemented a reusable, aesthetic **Framer Motion**-based loader displayed across all pages.
 - **Lore Page:** Built the entire [/lore](#) page from **UI/UX design** to responsive frontend development using **Next.js** and **Tailwind CSS**.
 - **PBCTF Form Page:** Designed and developed the full PBCTF registration page, including form logic, UI, and frontend implementation.

ACHIEVEMENTS

- **Technical Escape Room (CTF):** Secured **1st place** among 35 teams in a competitive, time-bound Capture The Flag challenge – March 2025.
- **NER Tech Hackathon:** Selected as a **Finalist** in a national-level hackathon organized by **Amantya Technologies**.
- **Aventus Hackathon:** Selected as a **Finalist** in a hackathon organized by **Dayananda Sagar College of Engineering**.