KANISHK SINGH

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Education

Dayananda Sagar College of Engineering, Bangalore	**2023 − 2027**
Bachelor of Technology in Computer Science and Engineering	*CGPA: 9.05/10*
City Montessori School, Lucknow	**2022**
XII - ISC	*Percentage: 98%*
City Montessori School, Lucknow	**2020**
X - ICSE	*Percentage: 97.4%*

Technical Skills

Languages: Java, JavaScript, C++, C

Frameworks/Libraries: React.js, Spring Boot, Node.js, Supabase, Firebase

Databases/Tools: PostgreSQL (Supabase), SQL, Git, GitHub, Postman, Vercel

Cybersecurity: Wireshark, Nmap, Scapy, Burp Suite, TryHackMe, Kali Linux

Certifications

TryHackMe Pre-Security Certificate	**View Credentials**

Projects

PeerLoop — **2024**
Tech Stack: Firebase, React.js, CSS3, HTML, Redux — *GitHub*
- Engineered a multichannel real-time communication platform with secure Firebase authentication and Redux-powered state management, enabling seamless interaction across rooms. Ranked Top 25 out of 300+ projects at SkillMingle Hackathon.

Aegis Club, DSCE — **2024**
Tech Stack: TypeScript, Supabase, Tailwind CSS, HTML, React-router-dom — *GitHub*
- Developed the official student club website using TypeScript and Tailwind CSS, enhancing navigation with React Router and responsive design; streamlined event and content updates for core team.

PicShrink — **2024**
Tech Stack: Next.js, Tailwind CSS, HTML, TypeScript — *GitHub*
- Built an intuitive image compression tool using Dropzone and custom logic, enabling users to preview and resize images in real-time and download optimized versions with minimal effort.

WePlusFoundation — **2024**
Tech Stack: React.js, Supabase, TypeScript, Tailwind CSS, Vite — *GitHub*
- Designed the official NGO website by integrating user-friendly CMS features with Supabase, empowering non-technical staff to easily manage content.

Research Papers

IEEE R10 Student Research Paper Contest	**Jun 2024**
Energy Efficient Neural Implants for Brain Efficiency	*View Paper*
IEEE MysuruCon 2024	**Oct 2023 − Aug 2024**
Optimizing Glass Fabrication via Computational Method	*View Paper*
KJ Somaiya College	**Jan 2024**
Hedge Funds: Performance, Strategies and Market Impact	*View Paper*

Honors and Community Involvement

- Top **25** finalist in **SkillMingle Hackathon** among **300+** entries.
- **Co-authored** one of the **3** Indian papers in **IEEE R10 Conference**.
- Recipient of **INSPIRE Scholarship** from **CISCE, Delhi**.
- Organized national 24hrs Cybersecurity Hackathon: **Sandbox 2025**.
- Hosted Inter-Department **CTF: Decipher Blitz** during Techfest Glitchcraft.
- Technical Team Member, Aegis Club (Cybersecurity), DSCE.
- Technical Team Member, OSCode (Tech Club), DSCE.