

KANISHK SINGH

📞 +91 8318169685 ✉ kanishksingh778@gmail.com [in LinkedIn](#) [Github](#) [Twitter](#) [Portfolio](#)

Education

Dayananda Sagar College of Engineering, Bangalore

2023 - 2027

B.Tech in Computer Science & Engineering

9.45/10 CGPA

Skills

Languages: Java, JavaScript, C++, C

Libraries/Frameworks: React.js, SpringBoot, Node.js, Supabase, Firebase

Tools/Database: PostGreSQL(via Supabase), SQL, Git, GitHub, Postman, Vercel

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

Projects

PeerLoop



Techstack: FireBase, React.js, CSS3, HTML, Redux

- Co-developed **Peerloop**, featuring **multichannel real time communication** and **user authentication**. The project was selected among the **Top 25** entries out of **300+** submissions in **Round 2** of the **SkillMingle Hackathon**.

Aegis Club, DSCE



Techstack: TypeScript, SupaBase, Tailwind CSS, HTML, React-router-dom

- Designed and implemented the **frontend** for the official **Aegis Club** website; developed responsive **header** and **footer components**, and optimized the website layout for **mobile resolution compatibility**.

PicShrink



Techstack: Next.js, Tailwind CSS, HTML, TypeScript

- Developed an interactive **image compression tool** using **React**, **Dropzone**, and **custom compression logic**; implemented **dynamic quality control** via **sliders**, **real-time preview**, and optimized **download** functionality for compressed images.

WePlusFoundation



Techstack: React.js, SupaBase, TypeScript, Tailwind CSS, Vite

- Built the official website for the **We+ Foundation (NGO)** using **React**, **TypeScript**, and **Tailwind CSS**; implemented responsive layouts and integrated backend services with **Supabase** to support dynamic content and data management.

Research Papers

IEEE R10 Student Research Paper Contest

Jun 2024- Jun 2024

Energy Efficient Neural Implants for Brain Efficiency

- * The research paper was co-authored by me and got selected for the **prestigious IEEE R10 conference**. The paper was **one of the 3 selected** in the India region – **representing the Bangalore Section** – alongside papers from the Chandigarh and Delhi Sections. It ranked among the **top 10 globally** in the World Region.

IEEE MysuruCon 2024

Oct 2023- Aug 2024

Optimizing Glass Fabrication via Computational Method: A Batch Calculator Approach

- * Developed a **computational solution** for batch calculation in glass manufacturing under the guidance of **Dr. Madhu A.**, focusing on **precise material ratios** and **quality optimization**. Presented the work at the **IEEE 2024 Mysuru Conference**.

FinCredible: KJ Somaiya College

Jan 2024- Jan 2024

Comprehensive Study On Hedge Funds: Performance, Strategies And Market Impact

- * Authored a case study research paper for **FinCredible** magazine (**KJ Somaiya College**) on the evolution, structure, and regulatory landscape of **hedge funds**. Employed a mixed-methods approach to analyze investment strategies, fund formats, and performance factors.

Honours and Community Involvement

- * Made it into **Top 25** Teams out of **300+** entries in Skill Mingle Hackathon.
- * **Co-authored** a Research Paper in R10 Student Research Paper Contest which was **1/3 papers** selected from India, representing the **Bangalore Section**.
- * **INSPIRE** Scholarship Recommendation from CISCE, Delhi.
- * Organized a **National Level 24 hours Cyber Security Hackathon- Sandbox 2025**.
- * Organized a Inter-Department **CTF Event- Decipher Blitz** during Department Techfest-Glitchcraft
- * Member of the **Technical Team** at **Aegis Club**: Cyber Security Club, DSCE
- * Member of the **Technical Team** at **OSCode**: Tech Community Chapter, DSCE