

KANISHK SINGH

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Education

Dayananda Sagar College of Engineering, Bangalore

B.Tech in Computer Science & Engineering

2023 - 2027

9.45/10 CGPA

Experience

Literary Society(LitSoc) CPA

2024-Present

- Being a part of esteemed society like **MUNSoc**, a **subset** of **LITSOC** offers me a unique opportunity to delve into the complexities of **international diplomacy** and **governance**. It allows me to engage in rigorous discussions and debates on pressing global issues, all while developing essential skills such as critical thinking, negotiation, and public speaking. I look forward to collaborating with fellow members who share a passion for addressing the **multifaceted challenges** our world faces today. This experience promises to enrich my understanding of political dynamics and enhance my ability to contribute to meaningful dialogues that shape our future.

Projects

PeerLoop

Dec 2024

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

- **Peerloop** is a professional networking platform designed specifically for freelancers, offering seamless communication and collaboration tools. This is a desktop website only!
- This project was a result of my contributions with a few of my peers in the **SkillMingle Hackathon R2**. This project was selected and shortlisted for R2 making it to the **Top 25** out more than **300** entries across all tracks.

Aegis Club, DSCE

Jan 2025-Feb 2025

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

- The **Cyber Security Club** at **DSCE, Bengaluru** is dedicated to exploring advanced technologies and acquiring invaluable knowledge and hands-on experience in **Cybersecurity** through engaging training sessions, interactive workshops, and collaborative initiatives with like-minded enthusiasts.

PicShrink

Feb 2025

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

- **PicShrink** is a user-friendly image compression web app that **reduces image size without compromising quality**. With **drag-and-drop support** and **compatibility with multiple file formats**, it helps developers, designers, and users optimize images for faster loading, improved performance, and reduced storage costs.

WePlusFoundation

March 2025

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

- Designed and developed the **official website** for **WePlusFoundation**, an **NGO** focused on empowering **underprivileged communities** through **education** and **aid**. Created a user-friendly platform to promote awareness, encourage donations, and showcase ongoing initiatives aligned with the foundation's mission.

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.
- * **BCI (Brain-computer interfaces)** help in the direct communication between the brain and external devices, by the decoding of the neural signals into commands.

IEEE MysuruCon 2024

Oct 2023- Aug 2024

Optimizing Glass Fabrication via Computational Method: A Batch Calculator Approach

- * My recent involvement in developing a **computational solution** for batch calculation under the expert guidance of my esteemed physics professor, **Dr. Madhu A.** was enlightening. This journey has been both challenging and rewarding, and it culminated in my participation at the **IEEE 2024 Mysuru Conference**.
- * The glass making process uses exact **mathematical ratios** of the components and their **derivatives**, maintaining perfect material utilization and the quality of the product. Here, a new **batch calculator software** is proposed, which has been developed exclusively for this task.

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

- * I was presented with a unique opportunity of writing a case study research paper for the **FinCredible** magazine of **KJ Somaiya College**.
- * This research paper outlines the **history of hedge funds** and looks forward to their **future development**, identifies major parameters defining them and discusses **agencies regulating activities** related to these types of financial instruments. A **mixed-methods approach** is used to analyze a **heterogeneous representation** of hedge funds, identifying considerations related to **investment strategies**, **fund formatting** and **performance factors**.

Honours and Awards

INSPIRE Scholarship 2022 Recommendation Letter by ICSE

Sept 2022

- * Got selected for INSPIRE Scholarship and received a letter of recommendation from **Council For The Indian School Certificate Examination (CISCE)**
- * Made it to the **Top 1%** of CISCE Board 2022 by achieving **98%**