

KANISHK SINGH

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Education

Dayananda Sagar College of Engineering, Bangalore <i>B.E. Computer Science and Engineering</i>	2023 – 2027 <i>CGPA: 9.15/10</i>
City Montessori School, Lucknow <i>XII - ISC</i>	2022 <i>Percentage: 98%</i>
City Montessori School, Lucknow <i>X - ICSE</i>	2020 <i>Percentage: 97.4%</i>

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

Experience

AI Software Developer Intern <i>GenoTrak AI (Remote)</i>	Jun 2025 – Present
<ul style="list-style-type: none">Designed, trained, and fine-tuned ML models for business-specific needs.Built MLOps pipelines for monitoring data drift and performance issues.Integrated AI solutions into CI/CD workflows with cross-functional teams.Optimized models for performance, scalability, and real-world reliability.	

Certifications

TryHackMe Pre-Security Certificate	View Credentials
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Projects

PeerLoop <i>Tech Stack: Firebase, React.js, CSS3, HTML, Redux</i>	2024 <i>GitHub</i>
<ul style="list-style-type: none">Engineered a multichannel real-time communication platform with secure Firebase authentication and Redux-powered state management. Ranked Top 25 out of 300+ projects at SkillMingle Hackathon.	
PicShrink <i>Tech Stack: Next.js, Tailwind CSS, HTML, TypeScript</i>	2024 <i>GitHub</i>
<ul style="list-style-type: none">Built an image compression tool with Dropzone and custom logic, real-time preview, resizing, and effortless download.	

Research Papers

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

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.