

# ARYAN KANSAL

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[LinkedIn](#)

[GitHub](#)

[LeetCode](#)

[CodeForces](#)

## Education

Delhi Technological University

Bachelor of Technology in Software Engineering

August 2024 – July 2028

## Experience

Open Source Contributor

Jan 2025 – Feb 2025

[Retro](#) (Winter of Code - IIIT Kalyani) 🔗

Remote

- Contributed to a **production-grade open-source codebase**, implementing full-site **dark mode toggle**, improving UX.
- Reduced **JavaScript redundancy** and improved **code maintainability by 35%** through logic optimization.
- Collaborated using **Git (15+ commits, 5 PRs)**; resolved **100%** of assigned **GitHub issues**.

Backend Developer Intern

May 2024 – Present

Maharaja Agrasen Bhawan (V.K.S)

New Delhi, India

- Developed and managed a **production-ready MySQL database** with custom **Python interface**, reducing data entry errors by **60%**.
- Streamlined admin workflows and update procedures, improving **query efficiency by 40%** using indexing.
- Oversaw **public relations and reporting**, managing data logs for **1000+ entries**.

## Technical Skills

**Languages:** C/C++, Python, SQL, JavaScript, TypeScript

**Technologies/Frameworks:** ReactJs, nextJs, Node.js, Express.js, Bootstrap, tailwindCSS, jQuery, EJS, RESTapi, Firebase, JWT, passport.js, socket.io, mongoose, prisma ORM, PyQT, selenium

**Databases :** mySQL, Neon, postgresSQL, mongoDB

**Version Control/Tools:** VS Code, Git/Github

## Projects

SafeConnect | 🔗 🔗 Node.js, Express.js, MongoDB, Leaflet.js, JWT, Firebase Auth, Bootstrap, TailwindCSS, Git

- Developed a **real-time safety platform** with SOS alerts, incident reporting, and map visualization; Visualized incident density with **heatmaps via Leaflet.js**, enabling **40% faster response simulation**.
- Integrated **Aadhaar-based verification**, **JWT-secured APIs**, and **Firebase Auth** for secure usage, reducing spam incidents by 70%.
- Collaborated with a team of developers using **Git** and **GitHub** for version control, contributing **40+ PRs** and resolving **15+ issues**.

SociaLive | 🔗

React, Node.js, Express.js, Bootstrap, MongoDB

- Built a **social event platform** where users can host or join events; Implemented **event filters and constraints** using **dynamic routing** and **form validation**.
- Designed secure backend APIs with **JWT authentication** and custom **MongoDB schemas**, supporting **100+ concurrent users**.
- Maintained **100% commit hygiene** with organized Git branches and code reviews.

## Achievements

- Mastered **Data Structures & Algorithms in C++**; Solved **200+ problems** across platforms like LeetCode, Codeforces & GFG; ranked in **top 15–20%** in multiple contests.
- Participated in various hackathons like **HackCBS 7.O**, **BrainWave**, etc. contributing to real life problems. 🔗
- Improved debugging speed and code clarity through consistent participation in **timed contests and collaborative dev cycles**.

## Leadership & Volunteering

Fresources - DTU

Sep. 2024 – present

Academic Manager

DTU, Delhi

- Managing the admin portal of [fresources.tech](https://fresources.tech) and improving overall academic resources.