

Anurag Chauhan

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Personal Portfolio

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, JavaScript, HTML/CSS, TypeScript, Kotlin
- **Technologies/Frameworks/Library:** React, Angular, Node.js, Tailwind, Bootstrap, SQL, Android
- **Tools:** Git, GitHub, Figma, DBMS
- **CS Concepts:** DSA, OOP, OS

PROJECTS

- Suraksha Project (React)** Nov 2024
- Developed a disaster-response web app with real-time chat, AI chatbot (Dialogflow), and map-based safe zone locator
 - Reduced emergency coordination time by **60%** through OpenStreetMap API integration and custom alert modules
 - Authored a guideline manual adopted by 3+ teams, boosting onboarding efficiency by **70%**
 - Tech Stack: React-Vite, Express.js, MongoDB Atlas, Firebase, Tailwind CSS
 - GitHub: github.com/Anurag123Chauhan/Suraksha
- Weather App (Angular)** Oct 2024
- Built a responsive weather dashboard displaying real-time data via OpenWeather API, maintaining **99%** uptime
 - Optimized backend and frontend performance to achieve **210ms** average load time
 - Crafted an adaptive UI with TypeScript and Bootstrap to enhance multi-device accessibility
 - Tech Stack: Angular, Node.js, MongoDB
 - GitHub: github.com/Anurag123Chauhan/PersonalPortfolio
- Ray Tracing Visualizer (C++)** Jan 2025
- Developed an interactive ray tracing visualizer using C++ and SDL2, simulating reflection, refraction, and ray-object intersections
 - Designed as an educational tool to demonstrate core computer graphics concepts in real-time
 - Achieved frame rendering within **30ms** for moderate scene complexity using efficient memory and math operations
 - Tech Stack: C++, SDL2
 - GitHub: github.com/Anurag123Chauhan/Raytracing

CERTIFICATIONS

- Approximation Algorithms and Linear Programming** May 2024
Certificate Link
- Responsible & Safe AI Systems (NPTEL)** Oct 2024
Certificate Link
- Introduction to MongoDB for Students (MongoDB)** July 2024
Certificate Link
- Server-side JavaScript with Node.js** May 2024
Certificate Link

ACHIEVEMENTS

- Solved 700+ DSA question on Leetcode, Codeforces (Specialist) and GeeksForGeeks.
- Finalist (Top 10) in the GeeksForGeeks Hackathon among 400+ teams from various Universities.
- Among **Dean's top 10%** students at University.

EDUCATION

- Lovely Professional University** 2022 - Present
Computer Science and Engineering — CGPA: 8.01
Nav Jyoti Century School 2021 - 2022
Class XII: 75%
- Nav Jyoti Century School** 2019 - 2020
Class X: 93%