Anurag Chauhan

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Personal Portfolio

TECHNICAL SKILLS

- **Languages:** C++, Golang, 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 — Phagwara, Punjab

Nav Jyoti Century School — **2021 - 2022**
Class XII: 75%

Nav Jyoti Century School — **2019 - 2020**
Class X: 93%