AMAN KUMAR

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|GitHub: github.com/Amankr200 |Portfolio Website- https://portfolio-new-aman.vercel.app/

EDUCATION

Guru Gobind Singh Indraprastha University, (BPIT) Delhi   **2023-2027**
BTech - Information Technology - **CGPA – 9.0**   Rohini, New Delhi

Notre Dame School, Delhi
Class 12th – **PERCENT -90.2   - 2022**   Class 10th – **PERCENT – 94   - 2020**

TECHNICAL SKILLS

Languages: C++, JavaScript
Core CS: Data Structures & Algorithms, Object-Oriented Programming, DBMS, OS ,CN fundamentals
Backend: Node.js, Express, REST APIs, WebSockets
Frontend: React.js
Databases: MongoDB
Distributed Systems: Redis
DevOps: Docker
Tools: Git, GitHub

PROJECTS

1) CodeBoard – Developer Portfolio & Global Leaderboard **LIVE WEBSITE**
- Built a MERN-based platform aggregating coding stats for **500+ students** across LeetCode, CodeChef, Codeforces, and GeeksForGeeks.
- Integrated APIs and custom scrapers to sync real-time problem-solving and contest data.
- Developed a **C Score ranking algorithm** based on problem volume, ratings, and consistency.
- Implemented automated data refresh every 6 hours using **node-cron**.
- Designed an interactive dashboard and real-time leaderboard with multi-parameter filtering.

    Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Recharts, Axios, Node-cron

2) SyncSphereDocs – Real-Time Collaborative Document System **LIVE WEBSITE**
- Built a scalable real-time document editor using **MERN** and **Socket.io.**
- Enabled low-latency sync with **WebSockets** and **Redis Pub/Sub** for horizontal scaling.
- Implemented **JWT** authentication, **Role-Based Access Control (Owner/Editor/Viewer)**, and **concurrency control.**
- Containerized services with **Docker and Docker Compose.**
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    Tech Stack: React.js, Node.js, Express, MongoDB, Socket.io, Redis, Docker

EXPERIENCE

Defence Research and Development Organisation (DRDO)   **Internship**   **June – July 2025**
• Worked on a Host-Based Intrusion Detection System using OSSEC.
• Performed log analysis and debugging to reduce false positives and improve detection accuracy.
• Customized rules/decoders and integrated automated email alerts.

ACHIEVEMENTS

• Contributed to open-source projects during Hacktoberfest and GirlScript Summer of Code **(Rank 506)**.
• Solved 500+ Problems on Leetcode (Rating -1550), CodeChef (Rating-1425).
• Participated in **10+ hackathons** across national and college levels.

ROLES AND RESPONSIBILITIES

• **National Service Scheme**, BPIT - Responsible for society operations