

Ayush Pratap Singh

+91 7889440379 | ayushtomar8624@gmail.com | [LeetCode](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Education

Chitkara University

Bachelor Of Engineering in Computer Science (GPA: 9.16/10.0)

Punjab

Sep 2022 - June 2026

Army Public School

Class 12th - CBSE (Marks(%): 84.2%)

Amritsar, Punjab

2022

Army Public School

Class 10th - CBSE (Marks(%): 85%)

Akhnoor, Jammu & Kashmir

2020

Technical Skills

- **Programming Languages:** Java, C/C++, JavaScript, TypeScript,
- **Library & Frameworks:** Reactjs, Tailwind, Expressjs, Nextjs,
- **Course Work:** Object Oriented Programming, Data Structure and Algorithms, Database Management System, Operating System, Computer Network,
- **Database:** MySQL, MongoDB,
- **Developer Tools:** VS Code, IntelliJ IDEA, PyCharm, Git, GitHub, Postman, Vim, Nvim,

Projects

Infinity | [GitHub](#)

Sep 2024 - Dec 2024

- Designed and implemented an **AI-powered platform** to act as a **virtual co-founder**, automating **marketing and sales operations** to streamline business workflows.
- Built using **Next.js**, **Express.js**, achieving a **20% increase** in client lead generation by leveraging tailored AI solutions.
- Automated **cold email campaigns** using **Gemini AI**, processing **CSV/Excel lists**, and reducing repetitive client tasks by **25%**.
- Optimized system scalability to support **100+ concurrent users**, enabling future-ready deployments with minimal latency.
- Developed **user-centric features** such as **email personalization**, **lead tracking**, and **performance analytics** to ensure seamless client interactions.

LegitX | [GitHub](#)

Nov 2023 - Dec 2023

- Developed a **decentralized platform** using **React.js**, **Node.js**, **Ethereum**, **MongoDB**, and **Web3.js** to connect professionals like **doctors and lawyers** with clients for **verified consultations**.
- Reduced **verification time** by **20%** compared to traditional methods by integrating **smart contracts** for authenticating professional credentials.
- Utilized **JWT** for secure authentication and **Web3.js** for seamless blockchain interactions, ensuring trust and transparency between users.

Delhi Metro | [GitHub](#)

Aug 2023 - Oct 2023

- Developed a **metro route finder application** using **Java** with advanced algorithms like **Dijkstra's**, **BFS**, and **DFS** to calculate the **shortest path** between stations.
- Utilized **graph-based data structures** (adjacency list and matrix) to represent metro stations and connections, enabling efficient pathfinding.
- Streamlined algorithms to manage **large-scale metro network data**, reducing latency and improving efficiency.

Scholastic Achievements

- Dean's List & Outstanding Student Award Chitkara University (2022-2024)
- Solved **200+** Data Structures and Algorithms (DSA) problems across platforms, including **100+** on **LeetCode**, covering a diverse range of algorithms and data structure challenges.
- Top 10 in **HackIndia-Hackathon** hosted by C# Corner.