

# Ashirwad Singh

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## EDUCATION

### VIT Bhopal University

B.Tech in Computer Science (Cyber Security and Digital Forensics) **CGPA: 8.51**

Kothrikalan, MP

2022 – 2026

### RELIANCE FOUNDATION

Class XII (CBSE) **Percentage: 91.2%**

2021

### YAK PUBLIC SCHOOL

Class X (CBSE) **Percentage: 91.8%**

2019

## PROJECTS

### Dev-Finder [\[GitHub\]](#) [\[Deployed\]](#) [\[Video\]](#)

- Built tag-based room discovery app with **Next.js**, **NeonDB**, **Drizzle ORM**, supporting 15+ concurrent users across technology categories.
- Enabled real-time peer-to-peer screen sharing using **GetStream React SDK**, achieving 95% uptime with sub-100ms latency.
- Secured authentication with **NextAuth.js** and **JWT** tokens, managing sessions for 50+ registered developers.

### Chess Master [\[GitHub\]](#) [\[Video\]](#) [\[Deployed\]](#)

- Developed multiplayer chess platform using **Socket.IO**, **Node.js**, and **Express**, handling real-time gameplay with 99% event reliability.
- Implemented move validation using **chess.js** library with spectator mode, supporting 100+ concurrent games with real-time sync.
- Built move history navigation with session persistence, maintaining game state across browser refreshes with **95% retention rate**.
- Added back/forward navigation of move history and seamless session resumption using persistent client state.

### Streamerzz [\[GitHub\]](#) [\[Deployed\]](#)

- Built a modern, animated landing page using **React (Vite)** and **Tailwind CSS**, ensuring mobile-first responsiveness.
- Leveraged **Framer Motion** for smooth fade-in, scroll-triggered transitions, and interactive testimonials to boost engagement.
- Structured dynamic feature and pricing sections with delay-based reveals and dark-mode compatibility to optimize UX and conversion.

### Google Docs [\[GitHub\]](#) [\[Video\]](#) [\[Deployed\]](#)

- Built collaborative text editor using **React**, **Quill.js**, and **Socket.IO**, supporting real-time editing for 15+ users.
- Implemented document persistence with **MongoDB**, 500ms auto-save achieving 99% data integrity.
- Developed **Express/Node.js REST APIs** with CRUD operations, handling 500+ daily requests with sub-200ms response time.

## TECHNICAL SKILLS

**Languages:** C++, TypeScript, JavaScript, SQL, Tailwind, HTML, CSS,

**Databases:** MongoDB, NeonDB, Redis, PostgreSQL, MySQL

**Frameworks & Libraries:** React, Next.js, Node.js, Express, Socket.IO, LangChain, chess.js

**ORMs & Auth:** Prisma, Drizzle ORM, NextAuth.js, JWT

**Dev Tools & Platforms:** Git, GitHub, Docker, AWS, Convex, Cypress, Stripe, VS Code

## ACCOMPLISHMENTS

**CodeForces** (Blagosloveniye): Max. **Rating** 1447 (Specialist); Global Ranks: 1617, 2310; solved 500+ Problems

**CodeChef** (ethant5698): Max. **Rating** 1900 (Peak 1912), 4 Coder; Global Ranks: 77, 426, 452

**LeetCode** (Ethan038): **Rating** 2161 (Guardian); Global Ranks: 86, 509, 886; solved 700+ Problems

## CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

**MongoDB Certified Associate Database Administrator**

Issued by MongoDB [\[Credly\]](#)

**MongoDB Certified Atlas Administrator**

Issued by MongoDB [\[Credly\]](#)

**Extracurricular Achievements:** State-Level Boxing Medalist (Gold, Bronze); National-Level Representative