Abhishek Verma

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EDUCATION

VIT Bhopal University	Bhopal, MP
B.Tech in Computer Science and Engineering (Core) — ***CGPA: 7.6***	*2022 – Present*
Lalita Devi Inter College, Asanwar Ballia	Uttar Pradesh
Class XII (UP Board) — **Year of Passing:** *2022*	
Lalita Devi Inter College, Asanwar Ballia	Uttar Pradesh
Class X (UP Board) — **Year of Passing:** *2020*	

EXPERIENCE

Experiential Learning Program – VIT Bhopal University — May 2024

Industrial and Cultural Immersion — Pune & Hyderabad

- Completed a two-week immersion program visiting institutions such as L&T Metro, ICRISAT, INCOIS, and T-Works.
- Explored AI, ML, deep learning, smart infrastructure, and prototyping ecosystems.
- Enhanced understanding of real-world engineering applications and innovation workflows.

PROJECTS

Wireframe-to-Code Converter

- Developed a Wireframe-to-Code Converter tool using **Next.js**, facilitating automatic conversion of visual wireframes into **React/Vue components** to optimize development workflows.
- Implemented frontend architecture with **JavaScript** and **React**, creating scalable and reusable UI components for improved maintainability.
- Optimized user experience by automating visual-to-code conversion, significantly reducing developer effort and boosting productivity.
- Integrated **NeonDB with PostgreSQL** for efficient data management, ensuring seamless data operations and robust backend support.

Chess Master

- 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.

TECHNICAL SKILLS

Languages: C++, TypeScript, JavaScript, SQL, Tailwind, HTML, CSS
Databases: MongoDB, NeonDB, PostgreSQL, MySQL
Frameworks & Libraries: React, Next.js, Node.js, Express
ORMs: Prisma, Drizzle ORM
Dev Tools & Platforms: Git, GitHub, Docker, AWS, VS Code

CERTIFICATIONS & EXTRACURRICULAR

MongoDB Certified Associate Database Administrator	Issued by **MongoDB**
The Bits and Bytes of Computer Networking	Issued by **Coursera**
Cloud Computing	Issued by **NPTEL**