Akhand Pratap Singh

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Education

Samrat Ashok Technological Institute, Vidisha   CGPA: **6.4**
Bachelor of Technology in Electronics and Communication   *Nov 2021 – May 2025*

Experience

Web Developer   Feb `24 – Dec `24

Apna College

- **Developed** responsive web pages for 2+ student-led projects using React.js and JavaScript, **enhancing accessibility for 200+ students and faculty**.
- **Refactored** front-end components, resolving 20+ UI/UX issues and **reducing page load time by 40%** for smoother interactions.
- **Integrated** REST APIs to enable real-time updates, **reducing manual refreshes by 60%** and improving data synchronization.

Competitive Programming Lead   Feb 2024 – Dec 2024

Apna College

- **Increased member engagement by 50%** by organizing targeted training sessions, curated challenges in **Java** and contests to improve **DSA proficiency**.

Projects

Full Stack application for video conferences **[Live Demo]** |

React.js, Node.js, MongoD, Socket.IO, WebRTC Jan 2025

- **Built** a real-time video calling app using **React.js**, **Node.js**, and **MongoDB**, supporting **100+ concurrent users** with seamless integration.
- **Implemented secure authentication** using JWT and bcrypt, reducing login issues by **30%**.
- **Optimized WebSocket communication** for 95% faster updates with features like auto-scroll and **adaptive user status**.
- **Enhanced UI/UX** with **Tailwind CSS**, 32 themes, and performance boosts via lazy loading and React hooks.

Path Finder **[Live Demo]** |

Next.js, TypeScript, Tailwind CSS, Convex

Dec 2024

- **Designed** a path finder platform featuring **Dijkstra's and Prim's algorithms**, cutting setup time by **40%**.
- **Crafted** robust authentication with **Clerk**, achieving **99.9% uptime** and secure access for **200+ users**.
- **Enhanced** performance with **server-side rendering** and **lazy loading**, reducing load times by **30%**.
- **Streamlined** user experience with **responsive design** using **Tailwind CSS**, supporting **100+ concurrent sessions**.

Technical Skills

Programming Languages: Java, SQL, JavaScript, HTML/CSS
Technologies and Tools: React.js, Node.js, Express.js, MongoDB (NoSQL), MySQL, Git, VS Code
Coursework and Concepts: Database Management Systems, Operating Systems, Computer Networks, OOPS

Key Achievements

- **GeeksforGeeks (Campus Ranking, Rating: 67):** Global ranks: **108,455**. Maintained a **71+ day streak**. Ranked in Top **47%** user. **[Profile]**

- Developed an E-commerce website featuring voice-controlled functionality utilizing React.js, Node.js, and Alan AI, which achieved 5th place in the Kriyeta 2.0 National-Level Hackathon.

- Conquered **150+ coding problems** on various coding platforms. | **[GeeksForGeeks] [codewars]**