

Shivanshu Mishra

+919569032860 | mshivanshu1264@gmail.com | [linkedin.com/in/shiv](https://www.linkedin.com/in/shiv) | github.com/shiv

PROFESSIONAL SUMMARY

Full Stack Developer and Computer Science student with expertise in React.js, Node.js, and TypeScript. Specialized in developing scalable web applications and RESTful APIs with a focus on performance optimization. Demonstrated technical excellence through 600+ solved algorithmic problems and consistent top 2% rankings in competitive programming.

EDUCATION

Bachelor of Technology in Computer Science

Lovely Professional University

Aug. 2021 – Present

Phagwara, Punjab

Intermediate

Ratna Memorial Public School

Aug. 2020 – May 2021

Gorakhpur, Uttar Pradesh

TECHNICAL SKILLS

Programming Languages: JavaScript (TypeScript), C++, SQL, HTML5, CSS3

Frameworks and Libraries: React.js, Node.js, Next.js, Express.js, Socket.IO, WebRTC

Technologies and Tools: PostgreSQL, MongoDB, REST APIs, Git, Linux, Tailwind CSS, Chart.js, Vite

PROFESSIONAL EXPERIENCE

Codeforces Visualizer | *Next.js, React, TypeScript, Tailwind CSS, Chart.js*

Oct. 2024 – Present

- Engineered a full-stack web application using Next.js and TypeScript, serving 100+ daily active users
- Implemented RESTful API integration with Codeforces platform, processing 1000+ API requests daily
- Developed interactive data visualizations using Chart.js, displaying real-time user statistics and performance metrics
- Utilized Tailwind CSS and Shadcn UI for responsive design, optimizing for both desktop and mobile viewing
- Implemented comprehensive user profile overview displaying key metrics and created interactive visualizations for submission statistics
- Integrated Gemini API to deliver personalized insights and trends based on user's Codeforces activity
- Designed rating change graphs and recent submissions features to help users track their competitive programming progress

Peer-to-Peer Video Calling Application | *React.js, WebRTC, PeerJS, Socket.IO, Node.js*

Apr. 2024 – Present

- Developed a real-time peer-to-peer video calling application using WebRTC and PeerJS for seamless communication between users
- Established signaling and room creation using Socket.IO, enabling users to join rooms and initiate WebRTC connections
- Implemented backend with Node.js and Express to manage signaling and room management, ensuring efficient communication flow
- Built a responsive, modern frontend with React.js and Vite, utilizing Shadcn UI for an intuitive user experience
- Integrated dynamic media stream management and peer-to-peer connection handling with WebRTC, improving call quality and stability

Real-time Chat Application | *Vite, React, Node.js, PostgreSQL, Socket.IO*

Apr. 2024 – Present

- Engineered a full-stack real-time chat application using Vite for build optimization and React for frontend development
- Implemented secure user authentication and authorization using JSON Web Tokens (JWT)
- Designed and developed RESTful API endpoints using Node.js and Express.js for backend functionality
- Utilized PostgreSQL for efficient data storage and retrieval, ensuring data persistence and integrity
- Integrated Socket.IO to enable real-time bidirectional event-based communication for instant messaging
- Created responsive and intuitive user interface using Shadcn UI library and CSS for cross-platform compatibility

ACHIEVEMENTS

- Achieved 5-star rating (top 10%) in HackerRank C++ among 200,000+ developers
- Ranked in top 3000 globally (top 2%) among 150,000+ participants in Codeforces contests
- Maintained consistent problem-solving streak with 600+ solutions across LeetCode, Codeforces, and Codechef