Ayush Mishra

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EDUCATION

Bachelor of Computer Application
Microtek College of Management and Technology
Veer Bahadur Singh Purvanchal University

Secondary High Education (CBSE)
APS ADITYA VARANASI

TECHNOLOGIES

Frontend: JavaScript, React.js, Tailwind CSS, TypeScript, HTML, CSS
Backend: Node.js, Express.js, Socket.io, WebRTC, SFU, TURN/STUN, Redis, Problem Solving DSA
Tools: Git, GitHub, Redux, RTK Query, Cloudinary, Razorpay, Cursor AI, Claude AI, React Native CLI

EXPERIENCE

SOFTWARE DEVELOPER, Jamtech Technology Private Limited
September 2025 – Present
- Worked on full-stack MERN applications, gaining 1.5+ years of hands-on development experience.
- Built scalable APIs and optimized backend performance for production-level applications.
- Used AI tools like Cursor and Claude to accelerate development and improve code quality.
- Developed mobile applications using React Native CLI.
- Implemented authentication, dashboards, and real-time features across multiple projects.

MERN STACK WEB DEVELOPER, Code Crafter Web Solution, Lucknow
April 2024 – September 2025
- Developed and maintained web applications using the MERN stack, optimizing backend performance and improving response times by approximately 30%.
- Refactored 80% of the project's codebase, improving speed, security, and maintainability.
- Implemented authentication and security measures, reducing unauthorized access by 30%.
- Integrated real-time communication using Socket.io, improving system efficiency.
- Designed dashboards for analytics and reporting.
- Optimized APIs using Redis caching and RTK Query, reducing response time and redundant calls.

PROJECTS

GreenBidz — SaaS Multi-Tenant Bidding Platform
- Built a complete SaaS package where a single backend serves multiple independent client websites simultaneously.
- Architected a multi-tenant system with one shared database and isolated per-tenant data management.
- Implemented multi-server Socket.io connections to handle real-time bidding events across different client platforms.
- Designed scalable backend that manages concurrent WebSocket sessions for multiple tenants without conflict.
- Integrated tenant-specific configuration, authentication, and role-based access control.
- Integrated AI to power automated, prediction-driven workflows — generating product analytics and demand forecasts to support data-driven bidding decisions.

VMeeta — Community-Based Social Platform (IT Project)
- Built a full-featured social platform combining community-based feeds, posts, reels, and scrollable content with real-time chat and calling.
- Developed peer-to-peer and group audio/video calling using WebRTC with low-latency media streaming.
- Integrated an SFU (Selective Forwarding Unit) architecture to efficiently route media streams in multi-party group calls.
- Configured TURN and STUN servers for reliable NAT traversal and connectivity across network boundaries.
- Implemented real-time one-to-one and group chat using Socket.io, also handling call signaling, ICE candidates, and room management.
- Built a short-video reels feed and infinite post scrolling with engagement features for community interaction.
- Added multi-language support to make the platform accessible to users across different regions and languages.

Shanya Scans — Online Diagnostic Booking & Report Delivery System
- Built a complete online booking platform for diagnostic and pathology tests, allowing users to browse tests, book slots, and pay online.
- Implemented online report delivery, letting patients securely access and download their reports from their account.
- Developed an admin panel to manage tests, pricing, bookings, and automated report generation.
- Integrated authentication, online payments, and a smooth end-to-end booking workflow for an improved user experience.