

Mayank Monu

AI-enabled Fullstack Developer

Specializing in scalable web systems and multi-agent AI applications

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EDUCATION

Thapar Institute of Engineering and Technology

Master of Computer Applications (Expected June 2026)

Patiala, Punjab

July 2024 – Present

EXPERIENCE

Fullstack Developer Intern

July 2025 – December 2025

ASV INFOMEDIA

Remote

- Developed and deployed high-performance Shopify themes using Liquid, React, and Tailwind CSS, improving UX for thousands of daily users.
- Optimized frontend performance by refactoring legacy code and asset delivery, achieving 30% faster page load times and reduced bounce rates.
- Collaborated on a production-scale client application, handling frontend optimization and backend API integrations.
- Enhanced user engagement through responsive design, accessibility improvements, and performance tuning.

PROJECTS

Startup Copilot (AI Startup Co-Founder) | *Next.js, Node.js, LangChain.js, OpenAI API, MongoDB* Present

- Built an AI-powered startup validation platform using multi-agent architecture (Roast, Investor, India Market Expert, Execution Planner).
- Designed prompt-engineered pipelines with LangChain.js to generate structured outputs including feasibility scores, market insights, and execution strategies.
- Implemented evaluation logic with weighted scoring, red-flag detection, and India-specific intelligence (UPI, ONDC, Startup ecosystem insights).
- Repo Link ([View Project](#))

SocioSphere | *React (Vite), Node.js, Express.js, Prisma, PostgreSQL, TailwindCSS* January 2026 – April 2026

- Developed a full-stack SaaS platform for managing residential societies with role-based access (Admin / Resident).
- Engineered RESTful APIs using Express.js and Prisma ORM with PostgreSQL for scalable data handling across residents, parking, polls, and marketplace modules.
- Implemented AI-powered features including complaint triage, automated notice generation, marketplace item categorization, and community poll summarization.
- Designed end-to-end system architecture with JWT authentication, secure middleware, and media handling via Cloudinary integration.
- Repo Link ([View Project](#))

PeerConnect | *ReactJS, NodeJS, Socket.io, MongoDB, TailwindCSS* June 2025 – October 2025

- Built a full-stack social networking platform with real-time messaging using WebSockets (Socket.io).
- Designed scalable REST APIs with JWT authentication and MongoDB for efficient user management.
- Implemented responsive UI with optimized rendering and smooth animations using React and Framer Motion.
- Demo Link [Click Here](#)

Invoice Management Tool | *NextJS, Express.js, MongoDB, TailwindCSS* September 2025 – December 2025

- Developed a full-stack invoice system enabling businesses to manage billing, clients, and transactions efficiently.
- Designed backend data models and APIs for handling complex relationships and scalable operations.
- Implemented PDF export and real-time status tracking for improved usability.

TECHNICAL SKILLS

Languages: C/C++, SQL, JavaScript, TypeScript, HTML/CSS, Python

Frameworks: React, Node.js, Next.js, Express.js, Socket.io, TailwindCSS, Three.js, GSAP, Lenis, Liquid

AI/ML: LangChain.js, OpenAI API, Prompt Engineering, RAG (Retrieval-Augmented Generation)

Tools & Platforms: Git, GitHub, Docker, MongoDB, Postman, Firebase, Auth0, VS Code