

# Harsh Pandey

Portfolio | LinkedIn | GitHub | LeetCode | Codeforces

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## EDUCATION

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- **Indian Institute of Technology, Mandi** Himachal Pradesh, India
  - *B.Tech in Computer Science Engineering; CGPA: 8.9* *Aug 2023 – May 2027*
    - **Relevant Coursework:** Introduction to Python and Data Science, Probability and Statistics, Data Science III

## PROGRAMMING SKILLS

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- **Languages:** Python, HTML, CSS, JavaScript, TypeScript
- **Technologies/Frameworks:** Express.js, React.js, Next.js, Node.js, React Native, MongoDB, Vercel, Docker, Rust
- **Tools:** Visual Studio Code, Git, GitHub

## PROJECTS

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- **GenWeb – AI Website Builder** *Apr 2025* *GitHub*
  - *Next.js, MERN, Supabase, Clerk, Agent.ai, Google APIs*
  - **AI-Powered Code Generation:** Built an AI-driven website builder that dynamically generates complete website structures and content based on user prompts using Agent.ai integrations.
  - **Full-Stack Architecture:** Designed scalable backend using Supabase with secure authentication via Clerk, enabling persistent project storage and retrieval.
  - **Automation and DevOps Integration:** Implemented automated GitHub repository creation, dynamic file generation, and live preview rendering for real-time development experience.
- **Xpecto '25 – IIT Mandi Official Fest Platform** *Apr 2025* *GitHub*
  - *Next.js, MERN Stack, Supabase, Clerk, WebSockets*
  - **Scalable Event Management System:** Engineered a full-stack event management platform handling dynamic event listings, registrations, and structured data management.
  - **Real-Time Updates:** Integrated WebSocket-based live updates for schedules, competition results, and announcements to enhance user engagement.
  - **Secure Authentication System:** Implemented Clerk-based authentication and role-based access control for participants and campus ambassadors.
- **TradeX – Real-Time Stock Tracking Platform** *2025* *GitHub*
  - *Next.js, TypeScript, REST APIs*
  - **Real-Time Financial Data Integration:** Developed a stock market tracking platform integrating real-time APIs to display dynamic pricing and company insights.
  - **Interactive Dashboard:** Built responsive financial dashboards with personalized alerts and optimized rendering for performance.
  - **Performance Optimization:** Enhanced application speed through efficient API handling and optimized frontend state management.
- **AI Agent System** *2025* *GitHub*
  - *Python, AI Workflows, Automation*
  - **Autonomous Task Execution:** Designed intelligent AI agents capable of executing predefined workflows and automated decision-making processes.
  - **Modular System Design:** Developed modular agent pipelines enabling scalable task orchestration and API integrations.
  - **Automation Framework:** Built reusable automation logic to support multi-step AI interactions and backend processing.
- **Cars24 – AutoTech Platform** *Aug 2025* *GitHub*
  - *Next.js, Vercel*
  - **Server-Side Rendered Web Platform:** Developed a responsive AutoTech platform using Next.js with server-side rendering for improved SEO and performance.
  - **Backend API Integration:** Implemented RESTful API routes to manage backend functionality and dynamic content delivery.
  - **Deployment and Optimization:** Deployed on Vercel with optimized build configuration and modular project structure.

## WORK EXPERIENCE

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- **NullClass** Remote  
*Web Development Intern* *Jun 2025*
  - **Internship Selection:** Selected as a Web Development Intern after successful completion of the training program, contributing to real-time web development projects.
  - **Frontend Development:** Worked on building and improving responsive web interfaces while adhering to professional development standards and performance criteria.
  - **Collaboration and Feedback:** Collaborated with mentors and participated in regular feedback sessions to enhance technical and practical skills.
- **VATSTECH Business Solution Pvt. Ltd.** Remote  
*Web Developer Intern* *Nov 2025*
  - **Full-Stack Development:** Assisted in developing, maintaining, and optimizing web applications and digital platforms.
  - **Module Implementation:** Executed front-end and back-end modules under the guidance of senior engineers while supporting UI/UX implementation and debugging workflows.
  - **Quality and Performance:** Contributed to documentation, testing cycles, and performance enhancement tasks, ensuring alignment with quality and security benchmarks.
- **CoreMacasia Technologies OPC Pvt. Ltd.** Remote  
*WordPress Development Intern* *Feb 2026 – Apr 2026*
  - **Website Development and Customization:** Assisted in the creation and customization of WordPress websites for an online learning platform, ensuring responsive and user-friendly design.
  - **Feature Implementation and Collaboration:** Collaborated with design and content teams to implement new features, enhancements, and functional improvements across WordPress sites.
  - **Performance Optimization and Maintenance:** Troubleshoot technical issues, optimized website performance and SEO, and maintained existing WordPress platforms following best development practices.

## ACHIEVEMENTS

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- **Maze-Solving Robot Competition:** Earned 3rd place in a maze-solving robotics competition, applying problem-solving and technical expertise.

## POSITIONS OF RESPONSIBILITY

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- **Co-coordinator, Anusandhan 2024:** Contributed to organizing and managing the event, coordinating with teams and participants.