Hanumant Jain

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Professional Summary

AI & Frontend Developer with experience building generative AI applications, scalable ML pipelines, and high-performance web platforms. Skilled in Python, PyTorch/ TensorFlow React/Next.js, and cloud-native deployment. Proven track record delivering hackathon-winning AI solutions and leading full-stack product development from design to deployment.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3, MongoDB, PostgreSQL
- **Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Redux, Tailwind CSS
- **Tools & Platforms:** Vercel, AWS, Docker, Git, GitHub, Webpack, Yarn/NPM, CI/CD (GitHub Actions)
- **Other:** Cross-browser compatibility, REST APIs, Responsive Web Design, Agile

Work Experience

George Washington University   **Feb 2025 - Present**
Project Assistant III

- Architected deployment on AWS EC2, targeting 99.9% uptime and scalable domain management for 1,000+ projected daily users.
- Containerized the application using Docker to ensure consistent environments across development and production, targeting a 40% faster deployment cycle.
- Designed CI/CD pipelines with GitHub Actions to automate testing, building, and deployment workflows, with the goal of reducing release times by 50%.
- Developed the application stack with React.js, Node.js, Express.js, Postgres, and Tailwind CSS to create a responsive, scalable UI capable of supporting 500+ concurrent users and improving load times by 20% based on early benchmarks.

Technical Projects

KatanAI   **Aug 2025**

- Developed an AI-driven chatbot interface enabling secure, natural language interactions with blockchain assets on the Katana DeFi network.
- Engineered a custom MPC server to allow AI agents to perform sensitive tasks like NFT transfers and wallet queries without exposing private keys.
- Designed a dynamic query pipeline that lets AI agents analyze on-chain data and smart contracts in real time, supporting multi-step decision workflows.
- Integrated OpenSea API and Dynamic authentication to empower the AI with real-time NFT insights and transaction capabilities directly from the chat interface.

MedCompass   **Apr 2025 – Apr 2025**

- Built an AI-ready automated voice call follow-up system using Flask, Twilio Voice API, MongoDB Atlas, React.
- Designed and deployed a real-time dashboard to track patient responses, reducing manual workload by 40% and improving post-discharge engagement by 60%.
- Delivered end-to-end from technical design to deployment, ensuring scalability and compliance.

Web-Based Shoe Store   **Aug 2024 - Nov 2024**

- Led a team of 5 developers to build a fully responsive e-commerce platform featuring product search, dynamic filtering, shopping cart functionality, and secure user authentication.
- Designed and implemented RESTful APIs using Node.js and PostgreSQL; integrated bcrypt-based password hashing to ensure secure login and account management.
- Optimized state management with Redux and TypeScript, improving front-end responsiveness and data handling across complex user flows.
- Coordinated frontend and backend development, ensuring seamless integration and consistent data flow across the application.

Education

George Washington University   **Aug 2023 - May 2025**
Master of Science, Computer Science (GPA: 3.71)

Savitribai Phule Pune University   **Aug 2018 - May 2022**
Bachelor of Engineering, Computer Engineering (GPA: 3.53)

ACHIEVEMENTS

- Winner — Katana Forge Dev track, ETHGlobal ETHNewYork 2025.
- Winner — *Entrepreneur Category*, Hack PSU 2025 (MedCompass).
- Participant — ETHGlobal ETHNewYork Hackathon 2023.