Jihirsh Singh

Varanasi

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Education

Bachelor of Technology in Computer Science and Engineering 2022 – Present
Vellore Institute of Technology, Bhopal, MP CGPA: 8.3/10

Senior Secondary Education (Class XII, CBSE) 2020 – 2021
Little Flower House , Kakkarmatta, Varanasi, UP Percentage: 77%

High School Education (Class X, ICSE) 2018 – 2019
St. John's School , Marhauli, Varanasi, UP Percentage: 83%

Technical Skills

Languages: HTML, CSS, Python, Java, JavaScript, TypeScript, C, SQL
Frameworks and Libraries: React, Nextjs, Scikit-Learn, Matplotlib, Pandas, Tailwind, PyTorch
Tools and Platforms: Git, VS Code, PyCharm, IntelliJ, Canva, Linux, AWS, Figma, Tableau
Development Methodologies: Agile, Scrum, Test-Driven Development, RESTful API Development

Professional Experience

Software Developer Intern at Spikingnet Technologies September 2024 – December 2024
Role - Frontend Web Developer

- Engineered responsive and customer-focused web interfaces with React.js, TailwindCSS, and shadcn/ui, boosting user engagement by 15% through improved UI/UX.
- Optimized navigation and accessibility while integrating RESTful APIs to deliver dynamic, real-time content, reducing bounce rates by 12% and enhancing overall user experience.
- Developed reusable, modular UI components that streamlined development workflows and reduced frontend code redundancy by 20%.

Projects

Kanada - Physics powered knowledge explorer Next.js, Inngest, Gemini

- Developed Kanada, a physics-inspired web application designed to make exploring complex concepts engaging and interactive.
- Delivered faster query responses by 25% through efficient integration of Brave API with Inngest workflows, enabling smoother real-time data handling and improved user experience.

Rakshini - Women's Safety and Wellness Platform Next.js, MongoDB, Prisma

- Implemented the full web platform for Rakshini, featuring a nationwide safety map, blog section, and period tracking tools to support women's safety and health awareness.
- Increased platform engagement by 20% by architecting scalable data models with Prisma and MongoDB, and delivering an intuitive, responsive UI with Next.js and TailwindCSS.

Parkinson Analyzer – Research Python, Scikit-Learn, Matplotlib, CNN, RNN

- Built a machine learning platform for Parkinson's disease diagnosis using voice, spiral, and wave data, achieving 98% accuracy with CNN and RNN models on 1,000+ patient datasets.
- Created Matplotlib visualizations to support medical diagnostics and enhance research analysis.

Extracurriculars

- Coordinated E-Cell club events, leading a team to successfully engage 500+ student participants.
- Performed Dance in Advitya College Fest, securing a Top 2 position among all performing teams
- Taught Physics, Data Structure and Algorithms and OOPs in offline mode
- Interested in Unreal Engine and Blender
- Certifications: AI Engineering - IBM | Bits and Bytes of Computer Networking - Google