

Harsh Vardhan Singh

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PROFILE

I'm passionate about leveraging Artificial Intelligence, Machine Learning, and modern Web Development to create intelligent, user-centric applications that solve real-world problems. With a strong foundation in Python, JavaScript, and data-driven methodologies, I specialize in building scalable solutions that bridge advanced algorithms with seamless user experiences. I enjoy turning complex technical challenges into innovative, practical systems—whether it's through smart web platforms, automation tools, or predictive models.

Beyond coding, I thrive in collaborative environments where I can lead teams, drive innovation, and align technical strategies with impactful outcomes. I'm seeking opportunities where I can combine my AI expertise and full-stack development skills to architect smart applications, mentor teams, and help shape the future of tech.

TECHNICAL SKILLS

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

AI/ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

Skills : Reactjs , Nodejs , Nextjs , mongodb , prismadb

Concepts: Machine Learning, Deep Learning, Data Structures & Algorithms, Probability & Statistics, Calculus, Optimization

Tools: Git, VS Code, Jupyter Notebook, Visual Studio, Blender

Languages: English (Fluent), Hindi (Native),

Soft Skills: Communication, Leadership, Strategic Thinking, Cross-functional Collaboration

PROJECTS

SMARTMERGE— Python, AI, GitHub Integration,

2025

- Developed an intelligent branch merging assistant for GitHub using advanced AI techniques.
- Created a user-friendly interface to analyze and manage code changes between branches.
- Leveraged machine learning algorithms to provide smart merge recommendations.

Thumbly— Next.js, React, Tailwind, AWS, NextAuth, Prisma

Jun 2025

- Developed a SaaS platform for AI-powered thumbnail generation using a modern web stack.
- Built an interactive and responsive UI with Next.js, React, and Tailwind for seamless user experience.
- Leveraged AWS for scalable cloud deployment and Prisma for efficient database operations.

Data-vizor— Langchain, Python

Feb. 2025

- An agentic RAG based bot that can analyze any kind of csv or excel files and provide statistical insights and plots for the given data.

CERTIFICATIONS

- **CyberSecurity Analyst**
- **Adobe UI/UX**

IBM CEP
Ethnus codemithra

EDUCATION

Vellore Institute of Technology, Bhopal, Madhya Pradesh

Sept. 2022 – May 2026

B.Tech in Computer Science Engineering

CGPA: 8.74

Adarsh jain dharmic siksha sadan , Najafgarh , new delhi

July 2020 – July 2022

- 12th Grade (PCMCs): 84.4%

MRV Model School , Dwarka , New Delhi

July 2020

- 10th Grade : 94%