

# 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.

**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: 8.64

**Adarsh jain dharmic siksha sadan , Najafgarh , new delhi**

July 2020 – July 2022

- 12th Grade (PCMCs): 85%

**MRV Model School , Dwarka , New Delhi**

July 2020

- 10th Grade : 94%