

HARSHIT JAIN

Web Developer ML Enthusiast • Gwalior, Madhya Pradesh, 474011

✉ Gmail [in](#) LinkedIn [G](#)itHub

Education

Vellore Institute of Technology (VIT)

B.Tech in Computer Science

– CGPA: 8.13*

Sept 2022 – Present

Bhopal, Madhya Pradesh

Relevant Coursework

- Computer Architecture
- Data Structure
- Algorithms Analysis
- Operating System
- Software Engineering
- System Design
- Database Management
- Web Development
- UI/UX Design
- Computer Networks
- App Development

Experience

Bluestock Fintech

Nov 2024 – Dec 2024

Software Development Engineer Intern (Remote, Performance-Based)

Pune, Maharashtra

- Contributed to Bluestock's web platform serving 5L+ users and 23M+ impressions; work deployed to production.
- Engineered RESTful APIs using Node.js and Express, reducing average response time by 40%.
- Built 10+ React.js components and PostgreSQL-backed features, boosting load performance by 30%.

Projects

Traffic Flow Optimization and Congestion Management | *Python, OpenCV, Streamlit*

2024

- Built a CV and ML-based tool for estimating traffic signal timers from junction video footage.
- Used object detection, density analysis, and routing algorithms to optimize junction control.
- Deployed using Streamlit for live visualization and interaction.
- **GitHub:** github.com/HarshitJainn/Traffic-flow-optimization-model

Retro Games with Gestures | *Python, OpenCV, MediaPipe, Streamlit*

2024

- Developed gesture-controlled retro games playable via webcam using hand-tracking.
- Used MediaPipe for real-time gesture detection mapped to game controls.
- Implemented classic games with real-time interaction in Python.

Local AI Chatbot Platform | *Python, Streamlit, OpenAI API*

2024

- Built an interface to run local LLMs or OpenAI models with API key input and model selector.
- Supports switching between local inference and cloud-based responses.
- Streamlit interface allows interactive, persistent chat-like experience.

Technical Skills

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

Technologies: React.js, Node.js, Express, OpenCV, Streamlit, PostgreSQL, Firebase

Tools: Git, GitHub, VS Code, Linux, Figma, Postman

Certifications

NPTEL: Privacy and Security in Online Social Media

Coursera: Applied Machine Learning in Python

GitHub: GitHub Foundations

VIT: Computer Vision

VIT: Python Essentials