

Abhiral Jain

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SUMMARY

Aspiring AI and ML Enthusiast with a strong foundation in computer science also a passionate developer building interactive and responsive websites using HTML, CSS, JS, and React. Skilled in Python, Java, SQL, flask and various ML libraries. Excellent problem-solving, research, and collaboration abilities. Seeking a challenging role to develop cutting-edge AI solutions. I love learning new technologies and solving real world problem with code.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, FLask, Firrebase,

Web Development:HTML ,CSS, React

Libraries & Tools: NumPy, Pandas, Matplotlib, Scikit-learn, YoloV8, Git

PROJECTS

BrainQuest

Frontend Development Project

March 2025

React.js, HTML, CSS

- Dive into interactive mini-games covering subjects from math to cybersecurity and biology.
- Enjoy both single-player quests and multiplayer battles, featuring unique modules like "Knowledge Ladder" and "Attack Simulator."
- Powered by HTML, CSS, JavaScript, and React (Vite-based), and easily accessible on Vercel.
- LINK : <https://brain-quest-jet.vercel.app/>

Real-Time Traffic Management System

Artificial Intelligence Project

July 2025 – Present

Python, YOLOV8 model

- Implemented real-time vehicle and pedestrian detection using YOLOv8 and OpenCV from live traffic camera/video feeds.
- Integrated traffic rule violation detection (red light jumping, lane/route violations) with adaptive signal timing logic.
- Built a Flask-based dashboard displaying live video, object counts, violation alerts, and stored analytics in SQLite

EXPERIENCE

Research Team Lead

EvoIVIT – VIT Bhopal University

Sept 2025 – Present

- Led and mentored a multidisciplinary research team, coordinating project planning, task allocation, and timelines to ensure consistent progress and on-time deliverables.
- Fostered a collaborative and innovation-driven team culture, improving research efficiency and knowledge sharing among members.
- Reviewed and validated research outputs, ensuring accuracy, originality, and clarity in reports, presentations, and submissions.

EDUCATION

VIT Bhopal University

BTech in Computer Science Engineering, Artificial Intelligence

Bhopal, Madhya Pradesh

Sept 2024 – 2028

New India Public School

Higher Secondary

Bhopal, Madhya Pradesh

2022 – 2024

Jawaharlal Nehru School

High School

Bhopal, Madhya Pradesh

2012 – 2022

ACHIEVEMENTS

- Finalist at Summer of CodeFest Hackathon at VIT Bhopal University
- Finalist at SolVIT Hackathon at VIT Bhopal University