

# ADITYA BHARDWAJ

Data Analyst • ML Enthusiast • Bhopal, Madhya Pradesh



## EDUCATION

<b>Vellore Institute of Technology (VIT)</b> <i>B.Tech in Computer Science (specialization in AIML)</i> <b>CGPA: 8.15</b>	<b>Sept 2022 – Present</b> <i>Bhopal, Madhya Pradesh</i>
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### 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

## PROJECTS

### COVID-19 Exploratory Data Analysis Dashboard | *Python, Pandas, Matplotlib, Seaborn, Streamlit* **2025**

- Analyzed COVID trends using data from Johns Hopkins University.
- Visualized confirmed cases, deaths, recoveries across countries.
- Deployed interactive dashboard using Streamlit.
- Focused on real-time graphs, country filters, and clean UI.

### Traffic Flow Optimization and Congestion Management | *Python, OpenCV, Streamlit* **2025**

- Built a CV and ML-based tool for estimating traffic signal timers from junction video footage.
- Used object detection, density analysis, and routing algorithms.
- Deployed using Streamlit for live visualization.

### Local AI Chatbot Platform | *Python, Streamlit, OpenAI API* **2024**

- Interface to run local LLMs or OpenAI models with API key input and selector.
- Persistent chat interface with toggle between local/cloud models.

## CREATIVE/MEDIA EXPERIENCE

### Health-Q-Rehab **Dec 2024 – Jan 2025** *Video Editor (Remote)*

- Edited both short-form videos for Instagram/YouTube Shorts and long-form content for YouTube.
- Created engaging reels by repurposing long videos with a focus on strong hooks, structure, and viewer retention.
- Sharpened video editing techniques while improving workflow speed and overall content strategy awareness.

### Inqalab **Aug 2023 – Nov 2023** *Video Editor (Remote)*

- Edited short-form music-related videos for Instagram as part of a 3-member creative team.
- Learned the basics of editing and design while developing teamwork and communication skills.
- Gained hands-on experience in content creation, team collaboration, and social media branding.

## 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. Certificate

**Coursera:** Applied Machine Learning in Python. Certificate **LinkedIn Learning :** Premiere Pro 2022 Essential Training

**VIT:** Computer Vision. Certificate **VIT:** Python Essentials. Certificate