

Divyansh Gupta

+91-8566004521 | divyansh11nonmed6036@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

VIT Bhopal University

Bachelor of Technology (CGPA - 8.52)

Sehore, Madhya Pradesh

October 2022 – May 2026

PROJECTS

Custom Music Equalizer

November 2023 – January 2024

- Developed a custom music equalizer that employs Fourier Transform and Inverse Fourier Transform to filter background noise, enabling users to adjust playback speed.
- Implemented libraries such as scikit-learn for signal processing and Matplotlib for visualizing noise adjustments, enhancing user experience.
- Collaborated with a team to design and prototype the application

AQI Prediction Model

October 2024 – February 2025

- Developed a composite model that predicts Air Quality Index (AQI) values and aids in pollution control, addressing air quality degradation from industrial emissions and vehicular pollution.
- Employed data collection techniques, including real-time air monitors, to track pollutants like carbon dioxide, nitrogen oxides, and carbon monoxide, significantly enhancing forecast accuracy.
- Analyzed historical data to improve AQI predictions, enabling more effective pollution control strategies in urban planning and policymaking.

TECHNICAL SKILLS

Languages: Python, MySQL, HTML/CSS

Developer Tools: Git, VS Code

Libraries: pandas, NumPy, Matplotlib, Scikit-learn

CERTIFICATIONS

Cloud Computing – NPTEL