Princy Diana.M

✉ princydiana005@gmail.com   📞 +91 7022056797   📍 Bangalore , India

in LinkedIn   ○ GitHub

Profile

Motivated Artificial Intelligence and Machine Learning student with hands-on experience in developing a real-time Air Quality Index (AQI) prediction application using Python and live API data. Interested in applying data-driven solutions to real-world problems and continuously improving technical skills through projects and learning

Education

2023 – Present
Bangalore , India

Artificial Intelligence and Machine Learning
Aditya College of Engineering and Technology
• Pursuing Artificial Intelligence and Machine Learning with a strong interest in understanding how technology can solve real-world problems.
• Developing skills in Python programming, data structures, and algorithmic thinking for intelligent systems.
• Gained hands-on project experience by building an Air Quality Index (AQI) prediction model, involving data collection, preprocessing, analysis, and result interpretation.
• Enjoy exploring how machines can learn from data and turn complex information into meaningful predictions and insights.
• Motivated to continuously learn, improve, and apply knowledge through internships and practical projects.

Pre - University Course
Bishop Cotton Women's Christian Independent PU College
Opted Course - PCMC

Secondary School
St Charles High School

Projects

10/2025 – 11/2025

Air Quality Index (AQI) Predictor
Data Analysis and Machine Learning Project

• Built an Air Quality Index (AQI) prediction system using real-time data fetched through an API key.

• Integrated live weather and air quality data for four selected cities and displayed results on a web interface.

• Enabled city-based selection (e.g., Bengaluru) to retrieve current data and predict AQI instantly.

• Implemented functionality to store the history of fetched data for future reference and analysis.

• Added an option to download the stored data for further use and reporting.

- Developed backend logic in Python to process API responses and generate accurate AQI predictions.

Skills

- API Integration
- Data Processing And Analysis
- Python Programming
- Machine Learning(Basics)
- Web Application Development
- Problem Solving
- Logical Reasoning
- Decision making

Interests

Aptitude and Logical Resoning
 Puzzles
Planning travel Itineraries
Singing

Languages

| English | ● ● ● ● ○ | Malayalam | ● ● ● ● ● |
| Kannada | ● ● ● ● ○ | Tamil | ● ● ● ● ○ |