

Ansh Sehgal

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Summary

Disciplined and multitasking Computer Science student with a robust foundation in Python and C++. Proficient in AIML and database management, with a solid understanding of web development concepts. Demonstrated problem-solving skills and technical proficiency through completed AIML projects and various database integrations. Strong leadership abilities, effective teamwork, and excellent communication skills. Eager to leverage my skills and enthusiasm in a challenging developer internship role.

Skills

Python, C++, MySQL, HTML, CSS, JavaScript, Data structures and algorithms, Machine Learning, Generative AI, LLMs, NumPy, Pandas, Matplotlib, Data Analysis, Data Visualization

Experience

Project

Carbon Emission Prediction till year 2030

- Developed models to predict carbon emissions in India until 2030 using historical data.
- Utilized five different models: Simple Exponential Smoothing, Holt-Winters, ARIMA, SARIMAX, and Prophet.
- Conducted data preprocessing and cleaning to ensure high-quality input data.
- Trained and tested models, achieving 99.2% accuracy with the ARIMA model.
- Analyzed model performance to identify the most accurate predictions.
- Provided insights for potential government actions based on emission forecasts.

Project

Carbon Footprint Tracker ChatBot

- Designed and developed an interactive chatbot to calculate user carbon footprints.
- Utilized OpenAI API and LangChain library for natural language processing and chatbot functionality.
- Implemented algorithms to compute carbon footprints based on user input regarding daily activities and geographical location.
- Provided personalized recommendations to users for reducing their carbon footprints.

Research Work

Generative AI

Research paper under publication for the projects

Project

Recipe Repository

- Technologies Used: Developed using Java, NetBeans, and MySQL for backend database management.
- Functionality: Created a user-friendly interface allowing users to input available ingredients and receive recipe suggestions based on those ingredients.
- Database Management: Utilized MySQL to maintain a comprehensive database of recipes, ensuring efficient retrieval and storage of data.

Education

Symbiosis Institute of Technology | Pune, Maharashtra

B. Tech. in Computer Science and Engineering | 06/2026

- Specialization in Artificial Intelligence and Machine Learning
- GPA: 7.7

St. Joseph's Co-Ed School | Bhopal, Madhya Pradesh

CBSE | 06/2022

- 93% in 12th CBSE Boards

Certificates

Accenture Data Analytics and Visualization Job Simulation, Artificial Intelligence Foundations: Neural Networks

Socials

LinkedIn: [Ansh Sehgal](#) GitHub: [AnshSehgal13](#) LeetCode: [anshsehgal](#)