

Maulik Pratap Singhal

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B.Tech student in Artificial Intelligence, building software, data and machine-learning projects with a focus on practical applications and clear engineering.

EDUCATION

B.Tech, Artificial Intelligence SBCET, Jaipur	2024 – 2028 (expected)
Senior Secondary (Grade 12) CBSE	2021
Secondary (Grade 10) CBSE	2019

PROJECTS

Climate Change Trend Analysis & Forecasting github.com/Maulik-17/climate-ghg-trend-analysis	IDEAS TIH Summer Internship 2026
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- Analysed annual CO₂ emissions (1990–2024) for ten countries from the Our World in Data dataset, filtering out aggregate regions and engineering lag, rolling-mean and growth-rate features.
- Fitted per-country ETS(A,Ad,N) damped-trend models with statsmodels, forecasting to 2043 with bootstrap 95% intervals, and benchmarked them against naive, linear-regression and random-forest models on a 2019–2023 temporal holdout.
- Built a Streamlit dashboard for exploring trends, forecasts and illustrative mitigation scenarios.

Python, Pandas, NumPy, scikit-learn, statsmodels, Plotly, Streamlit

SKILLS

Android Development · API Development · AI/ML · Math · LaTeX