Madhur Verma

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Profile Summary

Artificial Intelligence & Machine Learning undergraduate with hands-on experience in Data Analysis and Development. Strong foundation in Python with a focus on real-world problem solving.

Education

Technocrats Institute of Technology — Bhopal, India
B.Tech in Artificial Intelligence & Machine Learning (CGPA: 7.9) — *2022 – 2026*

Govt. Excellence School — Chhindwara, India
Higher Secondary Education (Percentage: 78.4%) — *2022*

Greenwood Public School — India
Secondary Education (Percentage: 94.6%) — *2020*

Experience

Data Analyst Intern — Decoded Data Academy — Jan 2026 – Present

- Performed data quality assessment and automated exploratory data analysis (EDA) using Python libraries such as Pandas, NumPy, and ydata-profiling to identify inconsistencies and missing values.
- Analyzed data drift and distribution changes by comparing historical and current datasets using Evidently AI, SQL queries, and statistical summaries to support data reliability.
- Developed analytical pipelines using Python and SQL to compute deterministic performance metrics, aggregate KPIs, and generate consolidated analytical reports from multiple data sources.
- Created data-driven evaluation benchmarks by designing structured datasets, building reproducible analytical workflows with controlled random seeding (PCG64), and validating results using Excel-based analysis and Power BI dashboards for trend visualisation and insight generation.

Technical Skills

Languages: Python,SQL, C
Libraries: NumPy, Pandas, Matplotlib, Seaborn, MS Excel, Power BI
Frontend: HTML, CSS, JavaScript
Platforms: Git, GitHub, Vercel

Projects

Forest Fire Prediction System | *Python, Pandas, Scikit-learn, Matplotlib*
- Developed a machine learning system to predict forest fire risks
- Analyzed environmental and meteorological data for early detection
- Enabled data-driven fire risk management using ML models

AI-Based House Price Prediction System | *Python, Machine Learning*
- Built an AI-powered system to predict house prices in unfamiliar cities
- Analyzed real estate trends, nearby property prices, and location factors
- Achieved accurate price forecasting using machine learning models

SCSDB Movies Platform | *HTML, CSS, JavaScript*
- Built a responsive web application to browse and search movies
- Implemented dynamic search functionality and detailed movie pages
- Optimized UI for smooth user experience across devices

Extracurricular Activities

Coordinator, Cultural & Event Cell
Student Council
- Managed end-to-end event planning, coordination, and execution
- Led teams to ensure timely task completion and quality standards