

NUPUR MADAN

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PROFESSIONAL SUMMARY

Computer Science undergraduate skilled in Python, Machine Learning, and Data Analysis. Experienced in AI-driven projects, data preprocessing, and model development with strong problem-solving and analytical abilities.

EDUCATION

Mody University of Science and Technology, B.Tech (Computer Science) **Aug 2023 – May 2027**
Lakshmanagarh, Rajasthan — CGPA: 8.84 / 10.00

S D Model Sr. Sec. School, Intermediate Education **Apr 2022 – Mar 2023**
Mandi Gobindgarh, Punjab — Percentage: 84.4%

INTERNSHIP AND TRAINING

1. Artificial Intelligence and Machine Learning **June 2024 – July 2024**

Organization: Academor

- Completed 5+ AI modules covering supervised and unsupervised learning, and implemented algorithms in Python.
- Practiced Python programming by completing 8+ coding exercises with NumPy and Pandas.
- Visualized algorithm outcomes across exercises through Matplotlib, enhancing interpretation of data flow.

2. Data Science & Machine Learning **May 2025 – June 2025**

Organization: YBI Foundation

- Built and evaluated an ML model with 95%+ accuracy for crop yield forecasting.
- Preprocessed real agricultural data (1500+ rows) by applying feature scaling, encoding, and cleaning.
- Applied evaluation metrics such as MAE and R² to optimize model performance.

PROJECTS

1. Airline Ticket Generator **Aug 2024 – Nov 2024**

- Enabled offline ticketing during server outages through local file storage and printable formats.
- Designed GUI in Tkinter for validation, real-time preview, and PDF generation.
- Maintained 20+ ticket records and feedback entries using structured CSV formats.
- GitHub Source: [Airline Ticket Generator](#) ↗

2. Soul Sense Exam **Feb 2025 – Apr 2025**

- Developed a 20-question EQ test in Python to assess emotional intelligence and self-awareness.
- Programmed scoring logic and stored 50+ responses using a structured SQL backend.
- Displayed score bands (Low, Average, High) with suggestions for personal growth.
- GitHub Source: [Soul Sense Exam](#) ↗

3. AI in Agriculture – Yield Prediction **June 2025**

- Trained regression-based ML models (Linear, Decision Tree) to forecast crop yield.
- Processed datasets with 1500+ rows, enhanced model accuracy with features and performance metrics (MAE, R²), implemented custom pipelines for cleaning and transformation.
- GitHub Source: [AI in Agriculture – Yield Prediction](#) ↗

SKILLS

Languages: Python and libraries (NumPy, Pandas, Matplotlib, Seaborn, Plotly, Tkinter), C++(DSA-based)

Database: MySQL

Skills: Data Collecting, Data Preprocessing, Data Visualisation, EDA, Scikit-Learn, regression, Classification, Communication, Documentation, Statistical techniques, ML, Analytical thinking

Tools & IDEs: Jupyter, GitHub, VS Code, Thonny, Anaconda, MS Excel

Domains Interests: Data Science, Machine Learning