

HIMANSHU SOLANKI

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Bhopal (M.P)



SUMMARY

BTech final year student passionate about Data Science, Machine Learning, Deep Learning, and AI. Experienced in building real-world projects using Python, Power BI, NLP, and RAG based applications. Skilled in designing interactive dashboards, recommendation systems, and AI assistants. Proficient in implementing ML/DL models, feature engineering, and optimizing algorithms for accuracy. Strong understanding of data visualization, analytics, and deriving actionable insights. Eager to contribute innovative solutions and drive data-driven decision-making in a dynamic organization.

PROJECTS • Real-Time Weather Prediction – Deep Learning (Python, LSTM)

Developed a real-time weather forecasting system using Long Short-Term Memory (LSTM) networks for temperature prediction. Integrated OpenWeather API to fetch live data and trained a sequential model for next-step forecasting. Built an interactive Streamlit dashboard to visualize live weather parameters, predicted values, and risk-level analysis in real time.

• Bank Churn Prediction – ML & Deep Learning (Python, Streamlit)

Developed a machine learning and deep learning model using neural networks to predict customer churn. Implemented feature engineering, backpropagation, and optimizers to improve accuracy. Deployed using Streamlit for real-time predictions.

• Movie Recommendation System – Machine Learning (Python, Streamlit)

Built a content-based movie recommendation system using TF-IDF vectorization and cosine similarity to recommend movies based on user preferences. Developed an interactive Streamlit web app with a clean UI for real-time recommendations.

• E-commerce Sales Dashboard – Power BI & Excel

Built an interactive Power BI dashboard with DAX measures and data visualization for sales, profit, and category analysis. Provided actionable insights for decision-making with KPI tracking and map visuals.

SKILLS

Programming & ML: Python, C, NumPy, Pandas, Scikit-learn, TensorFlow, Keras

Data Visualization & BI: Power BI, Matplotlib, Seaborn, Plotly

AI & NLP: Generative AI, RAG, Chatbots, TF-IDF, Cosine Similarity, LangChain

Database & Tools: SQL, Excel, Git, APIs

EDUCATION B.Tech – Artificial Intelligence & Data Science

Lakshmi Narayan College of Technology, Bhopal (M.P.) | RGPV University | *Expected 2026*

12th (Higher Secondary) Suryoday Global Academy, Harda (M.P.) | CBSE | 2022

10th (Secondary) Suryoday Global Academy, Harda (M.P.) | CBSE | 2020

CERTIFICATIONS

- **Data Science Training** – Sheryians Coding School
- **Python Programming** – Sheryians Coding School
- **C Programming** – Sharma Computer Academy