

Manish Kumar Mahto

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 [Github Profile](#)

 [Portfolio website](#)

 [Linkedin Profile](#)

SKILLS

- ❖ Programming Languages: **Python, Java**
- ❖ Libraries: Numpy, Pandas, Matplotlib, Seaborn, Streamlit
- ❖ Tools/Technologies: **SQL**, Excel, Git, Github, Jupyter Notebooks
- ❖ Data Science Skills: **Data Cleaning, EDA, Feature Engineering**, Model Building, Statistical Analysis, **Machine Learning**
- ❖ Mathematics: **Statistics and Probability, Linear Algebra**
- ❖ Soft Skills: Problem-Solving, Analytical Thinking, Collaboration, Time Management

EDUCATION

- Ranchi University, Ranchi, Bsc(IT) SGPA: **8.46** | (October 2022 – June 2025)
- XII (Jharkhand Academic Council) **80.8%** | 2022
- X (Jharkhand Academic Council) **89.2%** | 2020

ACADEMIC PROJECTS

- ❖ **Movie Recommendation System** ([Github link](#))
 - **Developed a Content-Based Movie Recommendation System**: Achieved **75%** memory efficiency improvement using text vectorization and cosine similarity for personalized recommendations.
 - **Optimized and Deployed**: Created an interactive web app with **Streamlit**, showcasing movie details and recommendations with a user-friendly interface.
 - **Tools Used**: **Python, Pandas, Scikit-learn, Streamlit, and Google Colab.**
- ❖ **Mobile Price Predictor** ([Github link](#))
 - **Data Processing & EDA**: Cleaned and transformed a dataset of over **1,000** mobile models, engineered features, and performed exploratory data analysis with visualizations including **10+** charts and plots to uncover insights.
 - **Model Development**: Built and evaluated **5** regression models (Linear, Ridge, Decision Tree, Random Forest, XGBoost) with R^2 scores up to **81.57%**.
 - **Tools Used**: **Python, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, XGBoost.**
- ❖ **Car Price Predictor** ([Github link](#))
 - **Data Cleaning & Preprocessing**: Cleaned and transformed a dataset of **5,000+** car records, resolving issues and handling missing values.
 - **Model Building & Evaluation**: Built and evaluated 6 regression models (Linear, Ridge, Decision Tree, Polynomial, Random Forest, XGBoost), achieving R^2 scores from **13%** to **46%**.
 - **Tools Used**: **Python, Pandas, NumPy, scikit-learn, XGBoost**