Rahul Sahu

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Objective

Motivated 3rd-year BCA student with strong foundations in Data Science, Machine Learning, and Data Structures & Algorithms (DSA). Passionate about applying ML techniques to solve real-world problems, currently building projects in prediction systems. Actively preparing for AI/ML internships by 2025.

Education

Bachelor of Computer Applications (BCA)
Pt. Ravishankar Shukla University, Raipur | 2023 – 2026
Relevant Coursework: Data Structures, Algorithms, Machine Learning, Statistics, Database Management, Python, C++

Skills

Programming Languages: Python, C++
Core Areas: Machine Learning, Data Science, DSA (Arrays, Strings, Binary Search, Recursion basics)
Libraries/Tools: NumPy, Pandas, Scikit-learn, XGBoost, LightGBM, Matplotlib
Concepts: Supervised Learning (Regression, Classification, Tree-based models), Probability & Statistics, ML Pipelines
Other: Git, GitHub, Problem Solving

Projects

House Price Prediction (ML Project)
- Built a regression model to predict house prices using Python and Scikit-learn.
- Applied data preprocessing, feature engineering, and model training (Linear Regression, XGBoost).
- Managed project with GitHub version control.

Loan Default Prediction (ML Project) (Ongoing)
- Designed dataset simulating real-world loan defaults (income, loan term, EMI, loan amount).
- Built classification pipeline using Logistic Regression, XGBoost, and LightGBM to predict loan default.

Achievements & Learning Milestones

- Completed **ML hands-on learning phase**: implemented ML algorithms in code.
- Completed **DSA basics**: arrays, strings, binary search, pointers, recursion fundamentals.