

# Saksham Maurya

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## SUMMARY

Aspiring Data Scientist with expertise in Machine Learning, Deep Learning, and NLP. Proficient in Python, C++, and Java, with strong skills in Data Structures, Algorithms, and Data Analysis. Experienced in data preprocessing, feature engineering, and model evaluation using Pandas, NumPy, Scikit-Learn, and XGBoost. Ready to apply AI-driven insights and analytics to Data Science and Machine Learning roles.

## EDUCATION

Institution	Degree/Board	Year
Mohd. Hasan PG College, Jaunpur	Bachelor of Computer Application (GPA: 7.63/10)	2023–2026
Mohd. Hasan Inter College, Jaunpur	UP Board – Science (78.4%)	2023
TRNS Inter College, Jaunpur	UP Board (84.5%)	2021

## TECHNICAL SKILLS

Programming Languages:	C, C++, Java, Python, HTML, CSS, JavaScript
Libraries & Frameworks:	NumPy, Pandas, Streamlit, Flask, Matplotlib, Seaborn, Scikit-Learn
Tools:	Git, GitHub, VS Code, Jupyter Notebook, Docker
Databases:	SQL, SQLite
Core Skills:	Data Structures & Algorithms, Machine Learning, Deep Learning, Natural Language Processing (NLP), Model Evaluation, Feature Engineering, Optimization Techniques, Algorithmic Problem-Solving
Soft Skills:	Adaptability & Continuous Learning, Problem Solving, Time Management & Discipline, Communication & Teamwork, Creativity & Innovation

## EXPERIENCE

### BCG | Data Science Job Simulation on Forage - February 2025

- Conducted customer churn analysis using Python, achieving 85% accuracy with a Random Forest model.
- Generated actionable insights through data visualization and statistical analysis, presenting findings in executive summaries.

## PROJECTS

### Uber Trips Data Analysis using Python

February 2025 - Ongoing

- Cleaned and preprocessed Uber trip data, handled missing values, and categorizing trips.
- Performed exploratory data analysis to visualize ride patterns and mileage distributions.
- Conducted trend analysis and identified correlations between trip categories, time of day, and ride behaviors.

### Credit Card Fraud Detection using Machine Learning

February 2025 - Ongoing

- Analyzed and preprocessed credit card transaction data to identify fraudulent activity.
- Built and trained a Random Forest classifier, achieving a 97% precision in fraud detection.
- Evaluated model using precision, recall, F1-score, Matthews correlation coefficient, and confusion matrix.

### IPL Score Prediction using Deep Learning

February 2025 - Ongoing

- Preprocessed IPL match data with label encoding and feature scaling for model input.
- Built a neural network with multiple layers to predict match scores based on various features.
- Developed an interactive widget for real-time IPL score prediction using the trained model.

## CERTIFICATIONS

- Python (Basic) - **HackerRank**.
- Data Structure and Algorithm - **Udemy**.
- Data Science Job Simulation - **Forage**.

## ACHIEVEMENTS

- Semi-Finalist, National Coding League Season 2 - **Scaler**
- Solved 500+ Problems - **LeetCode** & **GeekForGeeks**
- Passed the Software Engineer Role Test - **HackerRank**