

# Pradyum Rawal

Technical Analyst

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## Education

### Galgotias University

B.Tech CSE AI-ML (CGPA-7.49/10)

Sep. 2020 – Aug 2024

Greater Noida, Uttar Pradesh

## Experience

### GEEKSFORGEEKS

Technical Analyst

Oct 2023 – Present

Noida, Uttar Pradesh

GeeksforGeeks is a leading platform that provides computer science resources and coding challenges for programmers and technology enthusiasts, along with interview and exam preparations for upcoming aspirants.

- **Tech Stack** – Python, SQL, Tableau

#### Responsibilities:

- Utilized tools like Python, SQL, and Tableau to analyze and verify the accuracy of data across multiple datasets.
- Recommended content strategies by analyzing market trends using Power BI and other analytics platforms.
- Extracted, cleaned, and compiled data from various sources (using ETL tools) into simplified, actionable formats.
- Leveraged cloud platforms like AWS to perform data quality checks and ensure consistency across databases.

#### Impact:

- Verified and maintained the accuracy of technical data, ensuring high-quality insights for 1M+ users.
- Suggested data-driven strategies, increasing website traffic by 20%.
- Processed and visualized data from 50+ sources using Tableau and Python, simplifying decision-making for Team lead and Project Managers.
- Improved data quality and accuracy, leading to a 30% boost in user engagement.

## Projects

### Price Prediction of Crypto Currency / Python, Pandas, NumPy, Scikit-learn, Matplotlib, LSTM

- Utilized Python libraries (Pandas, NumPy) for data preprocessing and analysis of cryptocurrency market trends.
- Implemented machine learning models (e.g., Linear Regression, LSTM) using Scikit-learn to predict cryptocurrency prices.
- Visualized price trends and model predictions using Matplotlib for easy interpretation.
- Analyzed historical data from multiple sources, improving prediction reliability by 20%.
- Enhanced data visualization for better user understanding, increasing adoption by 30%.

### Fifa Analysis using python / Python, Pandas, NumPy, Scikit-learn, Matplotlib

- Analyzed FIFA datasets using Python libraries such as Pandas and NumPy for data cleaning and manipulation.
- Visualized player and team performance trends using Matplotlib and Seaborn to derive actionable insights.
- Integrated SQL for querying large datasets and streamlined data processing pipelines.

#### Impact:

- Processed and analyzed 100,000+ data points, uncovering trends in player performance and team statistics.
- Created 15+ visualizations to highlight key insights, improving decision-making for stakeholders.
- Streamlined data workflows, reducing analysis time by 25% through efficient Python scripts.
- Delivered actionable insights that enhanced understanding of player attributes and game strategies.

## Technical Skills

**Languages:** Python, R, SQL

**Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn

**Databases:** MySQL, PostgreSQL, MongoDB

**Miscellaneous:** Data Cleaning, Statistical Analysis, Predictive Modeling, Machine Learning, Cloud Platforms