

Internship Final Report

Student Name: BANDI DHEERAJ

University: AMRITA VISHWA VIDYAPEETHAM

Major: CSE

Internship Duration: June 1st, 2025 – June 30th, 2025

Company: ShadowFox

Domain: Data Science

Mentor: Mr. Hariharan

Coordinator: Mr. Aakash

Objectives

My primary objectives for this internship were to:

1. Apply data science concepts to evaluate cricket fielding performance.
2. Learn how to collect, structure, and analyze sports performance data.
3. Interpret fielding metrics to derive actionable insights.

Tasks and Responsibilities

- **Data Collection:** Collected detailed fielding data for 3 players from an IPL T20 match using provided match logs.
- **Data Structuring:** Structured the dataset using required attributes like Player Name, Position, Type of Pick, Throw Outcome, Runs Saved/Conceded.
- **Performance Metrics Calculation:** Applied weighted scoring formula to compute performance scores for each player.
- **Analysis and Insights:** Interpreted fielding contributions, strengths, and improvement areas for each player.
- **Report Generation:** Documented the entire analysis pipeline and insights into a final formatted report.

Learning Outcomes

- Developed an analytical mindset for sports performance metrics.
- Gained hands-on skills in field data collection and formatting.
- Learned how weighted performance metrics provide richer insights.
- Improved documentation and presentation abilities.

Challenges and Solutions

- **Ambiguous Descriptions:** Some fielding descriptions were vague. Solution: standardized values using predefined labels like “clean pick”, “run out”, etc.
- **Manual Data Entry:** Event-level tracking was time-consuming. Solution: Cross-checked using match commentary logs and auto-filtering techniques.

Conclusion

This project gave me practical exposure to data analysis in a sports context. Understanding fielding metrics and applying them to real IPL match data taught me the value of precision, structure, and scoring systems in decision-making.

Acknowledgments

I sincerely thank ShadowFox, Mr. Hariharan (mentor), and Mr. Aakash (coordinator) for their guidance. This task deepened my passion for sports analytics and enriched my data science journey.