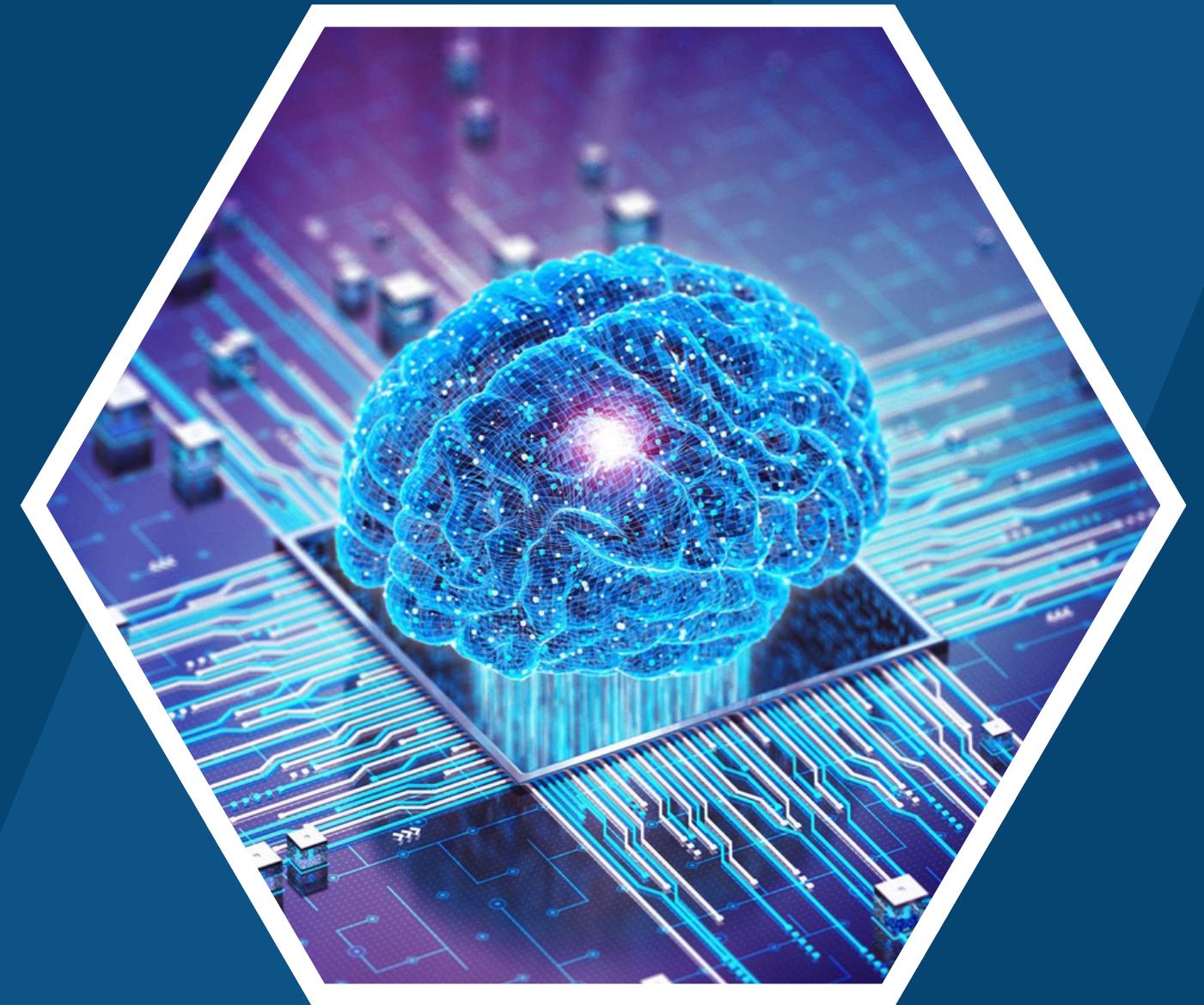




XG prediction model

# PROJECT PORTFOLIO



# Agenda

03 Introduction

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06 Model Type

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# Introduction

This project focuses on building a machine learning model to predict Expected Goals (xG) in football. The model analyzes key factors such as number of matches played and how many goals that player scores in season, providing valuable insights into player xG.



# Project Objectives



- Develop a machine learning model to predict Expected Goals (xG) in football.
- Analyze factors affecting goal-scoring chances, such as shot distance and angle.
- Provide insights into player performance and team efficiency.
- Demonstrate the application of data science in sports analytics.

# Model features

**position**

**Age**

**Matches\_Played**

**Goals**

**Assists**

**Minutes**

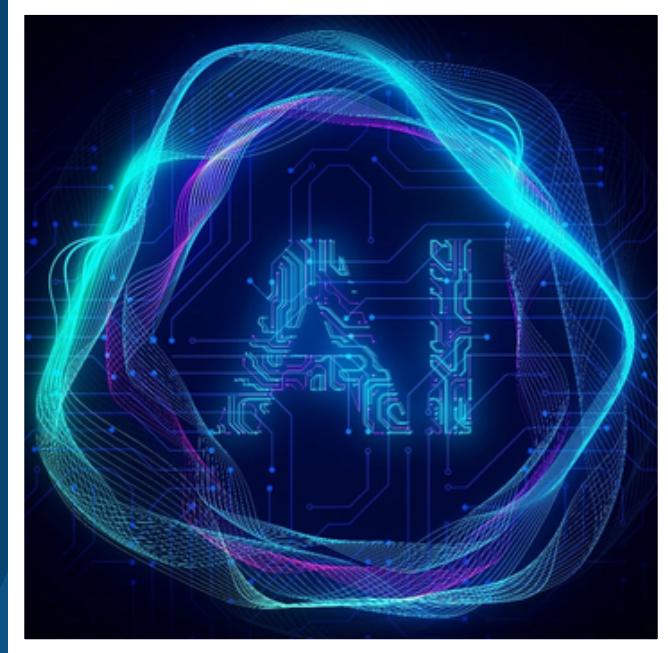
**Starts**

**match\_finished**



---

# Model Type



- type of the model is (Random Forest Regressor) with (random state = 59)
- model has 8 features (Pos , Age , Matches\_Played , Starts , Minutes , 90s , Goals , Assists)
- Target value is the XC

# Performance

93

R2 Score

0.0035

MSE

# Project Link



PROJECT

**THANK  
YOU**