

# Abhishek Sharma

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**Date of Birth:** 1st Nov '98

**Residence:** Kolkata, WB

Data scientist with **2 years of experience** & a **Masters in Applied AI** | I'm passionate about building **end-to-end machine learning systems** and using **analytics to generate value** for stakeholders | Comfortable working in an **agile environment** and across **multiple domains** | Enjoy the challenge of **always learning**

## Experience

### StatsPerform

AI APPRENTICE

*Remote (company based in Chicago, Illinois)*

*September 2022-March 2023*

- Started & developed the **AI monitoring project**, an automated generalised framework to periodically **calculate evaluation and performance metrics** for probabilistic model predictions, **flag anomalies**, and **analyse trends**, ultimately **saving developer time & company cost**.
- Learned **AWS** based applications like **Redshift, DynamoDB, Lambda**, and **SQS** from scratch and built a functioning pipeline using the same.

### 360 Scouting BV

DATA SCIENTIST (FREELANCE)

*Remote (company based in Groningen, Netherlands)*

*June 2021-June 2022*

- Was part of a small data science/engineering team who were building a **machine learning model** to evaluate player actions using a contextual probabilistic approach, and creating ranked shortlists which were sold to a **Champions League** football club (one of the **most popular football clubs in Europe**).
- Created **data visualisations in Python** for internal stakeholders to analyze model performance across varying levels of granularity.

### Total Football Analysis

ANALYST

*Remote (company based in Berlare, Belgium)*

*January – August 2019*

- Wrote weekly analyses - match reports, player & team profiles - for the website (full list of **18 publications** [here](#)) & monthly issues for their industry-leading magazine on 3 occasions.

## Freelance Projects for Individual Clients

DATA ANALYST/CONSULTANT

- Worked with analysts from [Villarreal CF](#) (one of the biggest football clubs in the world) to prepare pre-match **data reports** for the first team manager, **create dashboards** for the academy coaches, & **set up data infrastructures locally** to ingest data from APIs.
- Created data visualizations & graphics (primarily in matplotlib) for **three books** - [Chelsea: Europe's Next Powerhouse](#), [Anatomy of a Genius](#), & [Lionesses: Gamechangers](#).

## Skills

### Programming

Python, R, Julia

### Cloud

AWS (RedShift, DynamoDB, Lambda)

### Databases

SQL (PostgreSQL), NoSQL (MongoDB)

### Relevant Frameworks

Keras, Tensorflow, Numpy, Pandas, Matplotlib

### Business Intelligence

Tableau, MS Office suite

### Other

HTML/CSS/JS, Plotly, Git, Bash, Heroku

### Coursework

Algorithms, Data Structures, OOP, Probability & Discrete Mathematics,

### Completed

Data Science Statistics, **Machine Learning**, Time Series Analysis, A/B Testing

*\***emboldened** indicate skills with more experience*

## Education

### Vijaybhoomi University

M.S. in Data Science & Artificial Intelligence

*8.13 CGPA \ First in class*

*Karjat, Maharashtra*

*Sep 2020 – Sep 2022*

### Techno India University

BBA (Hons.)

*Kolkata, West Bengal*

*Aug 2017 – Aug 2020*

## Projects

### Futbolista.jl

AUTHOR | [JULIA PACKAGE](#)

- Allows to load various public datasets, create typical visualizations, & interface with advanced models for tracking data.
- Installable from the Julia package manager.

### xGPlayground

CO-CREATOR | [WEB APPLICATION](#), CONVOLUTIONAL NEURAL NETWORK EXPECTED GOALS MODEL

- Allows users to set up shooting situations & dynamically makes predictions.
- Model served via **Tensorflow.js** & site built using vanilla HTML/CSS/JavaScript.