

# Nirav Shrimal

Data Analyst with proficiency in data collection, analysis, and visualization using Python, R, SQL, Power BI, Excel, and Cloud Platforms. Passionate about transforming complex data into actionable insights.

**Based in: Austin, TX (open to relocation - US Citizen)**

## Work Experience

### Data Analyst

Sept 2024 - Present

#### Huntington Learning Center (USA)

- Utilized Python, Power BI, and Excel to track the center's KPIs and student performance trends to optimize instruction strategies and improve enrollment retention.
- Led K-12 instruction, SAT/ACT prep, and academic coaching while managing client relations to improve student achievement and drive enrollment growth.

### Data Analyst Intern

Sept 2024 - Present

#### Inferyx (USA)

- Developed automated Python scripts to compare JSON files, detect discrepancies, and generate CSV reports, reducing manual validation time by 70% and streamlining issue resolution for stakeholders.
- Processed and analyzed large datasets using PySpark and AWS S3 for efficient cloud-based data handling.
- Built a CSV-to-Iceberg conversion pipeline for seamless cloud integration.

### Data Analyst Intern

Aug 2022 - July 2023

#### PING Golf (UK)

- Devised testing methodologies, conducted tests, analyzed data in R, and reported findings in R Markdown for 10+ player performance, equipment, and sensor analysis projects, boosting performance and accuracy.
- Queried and analyzed 1M+ records from the Arccos database using SQL, and created dashboards to assess the impact of grass type, green size, and green-side risk, enabling more strategic decisions by golfers.
- Optimized golfer approach shot strategy by creating an R Shiny app utilizing data from 1000+ golf rounds.
- Conducted ad hoc analysis in Power BI while leveraging advanced sports technology, including motion capture systems and force platforms, to collect and analyze athlete performance data.

## Education

### Loughborough University (UK)

Oct 2019 - July 2024

#### Bachelor of Engineering (BEng) - Sports Engineering & Analytics

Relevant Program Highlights:

- Statistics
  - EDA, Linear Regression, Correlation, ANOVA, T-Tests
  - Hypothesis Testing, A/B Testing, Non-Parametric Tests
- Data Analysis in MATLAB & R
- Engineering Computation
- Data Visualization

## Projects

### [Spotify Top Tracks Dashboard](#) - Skills: Power BI, Python, APIs, (DENEb, HTML)

- Built a Power BI dashboard using the Spotify API and Python to analyze 950+ top tracks, uncovering trends in streaming, artist performance, and song attributes.

### [Data Job Market Analysis](#) - Skills: Python (Pandas, Matplotlib, Seaborn), Github

- Utilized Python to analyze 50K+ job postings, identifying top-paying and in-demand skills for data analysts. Explored skill trends, salary insights, and optimal learning paths.

### [Wheelchair Basketball Kinematics App](#) - Skills: R, R Shiny, Sport Analytics

- Developed an R Shiny app to analyze kinematic data from a custom-built sensor system, enabling performance tracking, trend analysis, and data-driven insights for 10+ wheelchair basketball athletes.

(Scan QR code or  
[click here to view  
my full portfolio](#))



## Skills

- Data Analysis & Programming: **Python, Excel, SQL, R**
- Data Visualization: **R Shiny, Power BI** (DAX, Power Query)
- Stakeholder Communication: **Storytelling, Collaboration**
- Cloud Platforms: **GCP (BigQuery), AWS (S3)**
- Big Data: **PySpark, Workflow Automation**
- Data Collection: **Web Scraping, APIs**

## Other

- Music Production & Sound Engineering (4 years)
- Trinity College - London Drums examinations (level 1-3)
- Assistant soccer coach
- Recreational sports (soccer, basketball, golf)

@niravshrimal

[www.github.com/nshrimal11](https://www.github.com/nshrimal11)

[nickshrimal@hotmail.com](mailto:nickshrimal@hotmail.com)

+1 5126690771