

Nirav Shrimal

Data Analyst with proficiency in predictive modeling, 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 by 15%.
- Led K-12 instruction, SAT/ACT prep, and academic coaching while managing client relations to improve student academic achievement by 10% and enhance client satisfaction.

Data Analyst Intern

July 2024 - Dec 2024

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 Python script for client API GET requests, extracting key information and enabling user-selected output formats, reducing reporting time by 25%.

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 golfer performance metrics.
- Built an R Shiny app using data from 1000+ rounds of golf to optimize the approach shot strategy for golfers, reducing their strokes per round by 1.2 on average.
- 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.
- Conducted ad hoc analysis in Power BI using advanced sports technology to analyze 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)
- Machine Learning: **Regression, Clustering, Decision Trees**
- Cloud Platforms: **GCP (BigQuery), AWS (S3)**
- Big Data: **PySpark, Workflow Automation**
- Data Collection: **Web Scraping, APIs**

Other

- Music Production & Sound Engineering (4 years)
- Assistant soccer coach