

Nirav Shrimal

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

Citizenship: US Citizen

Skills & Certifications

- **Data Analysis & Programming:** SQL, Python, R
 - **Data Visualization:** Excel, PowerBI (DAX, Power Query)
 - **Python for Data Analytics** (Certificate Course)
- **Cloud Platforms:** GCP (BigQuery), AWS (S3)
 - **Tools & Version Control:** Git, GitHub
 - **BigQuery for Data Analysts** (Certificate Course)

Work Experience

Data Analyst Intern
Inferyx (USA)

Sept 2024 - Present

- Analyzed job market trends for 50K+ data analyst roles in the US by visualizing skills demand, salary distributions, and industry insights using Python.
- Hands-on experience in Python, SQL, and Power BI, improving skills in data collection, analysis, and visualization.
- Applied foundational machine learning concepts and algorithms.

Data Analyst Intern
PING Golf (UK)

Aug 2022 - July 2023

- Devised testing methodologies, conducted tests, analyzed data in R, and reported findings in R Markdown for 10+ player performance, equipment, and sensor analysis projects.
- Queried and analyzed 1M+ rows of data from the Arccos database using SQL, creating dashboards to uncover key player performance trends.
- Designed an R Shiny app to help golfers optimize their approach shot strategy using data from 1,000+ rounds.
- Conducted ad hoc analysis and created visualizations in Power BI while troubleshooting research equipment to ensure accurate data collection.
- Leveraged advanced sports technology such as motion capture systems, force platforms, and high-speed video analysis tools to gather and analyze data, ensuring accurate performance assessments.

Research & Product Design Intern
M.S Ramaiah University of Applied Sciences (India)

Feb 2021 - Sept 2021

- Collected, processed, and analyzed data from sEMG sensors to evaluate the system performance of a bionic arm.
- Supported the design and testing of a bionic arm, utilizing Siemens NX, DFMA, GD&T, and sensor integration.

Education

Loughborough University (UK)
Bachelor of Engineering (BEng) - Sports Technology
Diploma in Industrial Studies (DIS) - Ping Golf (1 year placement)

Oct 2019 - July 2024

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: PowerBI, Python, APIs, (DENEb, HTML)

- Built an interactive Power BI dashboard using the Spotify API and Python, analyzing 950+ top-streamed tracks (2018–2023) with custom DENEb and HTML visualizations.
- Provided insights into streaming trends, artist performance, and song attributes, benefiting music marketers and analysts for strategic decisions.

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.
- Managed version control using Git & GitHub.

Wheelchair Basketball Kinematics App - Skills: R, Shiny, Sport Analytics

- Developed an R Shiny app (dashboard) 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 this link to view my full portfolio)



Other

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