

Nirav Shrimal

About Me

Recent Sports Technology (BEng) graduate from Loughborough University, UK, with proficiency in data collection, analysis, and visualization using Python, R, SQL, Power BI, and Excel. Passionate about transforming complex data into actionable insights, with a solid foundation in engineering principles.

Skills

Data Analysis & Programming

- SQL (Joins, Window Functions, CTE's, Views)
- Python
- R (R Markdown, R Shiny)
- MATLAB

Data Visualization

- Power BI
- Excel (Pivot Tables, VLOOKUP, Power Query)

MS Office

- Microsoft Word, PowerPoint, SharePoint, Outlook

Adobe Suite

- Photoshop, Illustrator

Extra-curriculars

Music

- Music Producer & Sound Engineer (4 years experience)
- University DJing society member
- Trinity College - London Drums examinations level 1-3

Sports

- Participated in college intramural sports (soccer, basketball, tennis, table tennis)
- Assistant soccer coach through high school

Work Experience

Data Science Intern

Inferyx | Aug 2024 - Present

- Gained hands-on training in **Python, SQL, Power BI, and Snowflake**, enhancing proficiency in data collection, analysis, and visualization.
- Analyzed job market trends for data analyst roles by visualizing skills demand, salary distributions, and industry insights using Python.
- Trained in foundational **machine learning** concepts and algorithms.

Engineering Intern

PING Golf (Europe) | Aug 2022 - July 2023

- Conducted data analysis in **R** for performance testing and sensor validation, delivering insights through **R Markdown** to enhance athlete performance.
- Queried and analyzed datasets (1M+ rows) from the Arccos database using **SQL**, uncovering key player performance trends.
- Designed a custom **R Shiny** app to assist golfers in optimizing shot strategy, utilizing historical & comparative data.
- Conducted **ad hoc analysis** and created **visualizations** using **Excel**, supporting projects with precise, insightful data assessments.
- Ensured accurate data collection and analysis by **troubleshooting** and reporting technical issues with research equipment
- 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 | Feb 2021 - Sept 2021

- Conducted research and supported the **design and testing** of an **sEMG bionic arm** during its development process
- Collected and processed data from **sEMG sensors** to evaluate system performance, ensuring alignment with design specifications
- Obtained training in **Siemens NX, DFMA, GD&T**, and sEMG sensors,

Portfolio

[Click Here for my Portfolio](#)



(Scan QR code or click link)

Education & Training

Loughborough University | Oct 2019 - July 2024

Bachelor of Engineering (BEng) - Sports Engineering (Technology)

Program Highlights:

- Engineering Computation
- Data Analysis in MATLAB & R
- Statistics
- ANOVA, T-Tests, Hypothesis Testing
- Advanced Computer-Aided Design (CAD)
- Data Visualization
- Product Design & Development
- Sensor Technology
- Healthcare Engineering
- Engineering Management

Inventure Academy (High School) | Jun 2014 - Mar 2018

A levels (Math, Physics, Chemistry, Computer Science, English)

- Overall: GPA 4.0 (Between 93-100%)

Phillos Institute | Mar 2019 - May 2019

Certificate Course in Graphic Design