

KUSH SHAH

☎ +44 7508691100 • ✉ kushs2156@gmail.com • in www.linkedin.com/in/kushs2156

SUMMARY

As a recent Theoretical Physics graduate from King's College London, I am eager to pursue a career in data analytics. With a strong foundation in analytical thinking, numerical skills, and problem-solving, I aim to leverage my data analysis and machine learning knowledge to enhance decision-making processes. I excel in using advanced mathematical methods and computational tools to provide insightful analyses and effectively communicate findings. My goal is to contribute to innovative solutions and strategic decisions within a dynamic organisation, driving business growth and efficiency.

EDUCATION

King's College London • London September 2019 – July 2023
Masters in Science • Physics with Theoretical Physics • First Class Honours
Key modules: Mathematics & Computation for Physics, Symmetry in Physics, Introduction to Numerical Modelling, Statistical Mechanics, Advanced Mathematical Methods for Theoretical Physics, Scientific Communications, Advanced Quantum Theory
Awards: Maxwell Prize (2023) - Awarded for the best overall performance by a final year MSci student

Watford Grammar Boys School • Watford September 2017 – June 2019
A Levels • Mathematics (A*), Physics (A), Chemistry (C)
Awards: Upper-Sixth Form Prize for Physics and Student Support Work

SKILLS

- **Python** (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Statsmodel)
- **SQL** (PostgreSQL, MySQL, BigQuery)
- **Spreadsheets** (Microsoft Excel, Google Sheets)
- **Tableau & PowerBI**
- **Languages:** English (*Fluent*), Gujarati (*Fluent*), Hindi (*Conversational Proficiency*)
- **Scientific Research and Report Writing**
- **Mathematics** (Linear Algebra, Calculus, PCA)
- **Regression** (Linear & Logistic Regression)
- **Google Analytics**

WORK EXPERIENCE

Graduate Teaching Assistant – King's College London September 2022 – April 2023
London

- Facilitated engaging lab sessions, aiding student understanding of fundamental physics concepts through experiments
- Provided crucial support in a magnetic levitation experiment
- Guided student projects, graded assignments, ensured safe lab practices and assisted in data analysis during practicals

E-Commerce Assistant – Imperial Lifestyle Ltd. June 2021 – Sep 2021 & 2022
London

- Managed a 600+ product inventory, ensuring accurate listings and efficient order fulfillment
- Provided exceptional customer service, resolving inquiries promptly and routing complex issues effectively
- Enhanced analytical skills via inventory tracking, improving turnover and cost-effectiveness

PROJECTS

Evaluating Performance of the Hyper Kamiokande Outer Detector Design October 2022 – May 2023

- Simulated the path of muons into the detector and trajectories of Cherenkov light within the detector using WCSim (C++)
- Retrieved and stored data from the simulations and performed data analysis using ROOT (C++)
- Presented ideas and findings to supervisor and forwarded work to researchers working on the Kamiokande project

RELEVANT COURSES & CERTIFICATIONS

- Google Data Analytics Professional Certificate (Google)
- SQL for Data Science (University of California, Davis)
- Google Advanced Data Analytics Professional Certificate (Google)
- Mathematics for Machine Learning Specialization (Imperial College London)
- Google Analytics Certification (Google)