Ayush Pradhan

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Personal Profile

A highly motivated soon to be data science graduate student with a solid foundation in economics and a passion for transforming complex data into actionable insights. By combining economic principles with advanced data science techniques and machine learning algorithms, I am developing models with predictive and inferential capabilities applicable to a wide array of contexts. I am eager to tackle complex challenges and contribute meaningfully to data-driven decision-making in dynamic environments.

Education

King's College London
September 2024 – Present – Currently Enrolled (End Date 2025)
- Degree: MSc Data Science
- Modules: Statistics for Data Analysis | Computer Programming for Data Scientists | Machine Learning | Pattern Recognition, Neural Networks and Deep Learning | Big Data Technologies | Databases, data warehousing and information retrieval | Data Visualization

Royal Holloway, University of London
September 2019 – July 2022, Hybrid
- Degree: BSc Financial and Business Economics
  Grade: First Class Honours
- Relevant Modules:
  Quantitative Methods | Microeconomics | Macroeconomics | Corporate Finance | Financial Markets and Institutions | Industrial Economics | Financial Economics | Industrial Growth and Competition

The Data Science Course: Complete Data Science Bootcamp, Udemy
March 2024 – May 2024, Online
- Acquired working knowledge of advanced statistical methods such as K-means clustering in market segmentation applications and standardization of data
- Gained insights into areas of probability including Bayesian inference, probability distributions, and combinatorics
- Covered descriptive statistics and inferential statistical methods.

Google Data Analytics Professional Certificate
Oct 2023 – Jan 2024, Online
- Gained hands-on experience in data aggregation, cleaning, and organization with SQL and R to identify trends and relationships within data to gain meaningful insights.
- Fluency with data visualization tools in tableau and R using the ggplot2 package to communicate findings.

Technical Skills

- **Programming & Data Analysis**: Python (Pandas, NumPy, Matplotlib, StatsModels, scikit-learn), R (tidyverse, ggplot2, regressions), SQL (advanced queries, normalization, data manipulation).
- **Data Management**: Relational databases (MySQL), data warehousing, data cleaning, and integration.
- **Statistical Analysis**: EDA, hypothesis testing, ANOVA, linear and logistic regression, predictive modeling.
- **Visualization Tools**: Tableau, RStudio, Matplotlib for visual storytelling and insights.
- **Core Competencies**: Object-oriented programming, algorithmic thinking, and designing efficient workflows.

Professional Attributes

- Highly analytical thinker with a results-driven approach to problem-solving.
- Strong communicator with experience translating complex datasets into actionable insights for non-technical audiences.
- Committed to continuous learning and staying at the forefront of data science advancements.