

Sample SOP for PhD in Data Science

“Data has evolved into the unseen force that shapes every decision of the modern world. From targeted online ads to the market decision, the power of data reveals itself to us every day. In the recent past, during the Covid19 pandemic, humanity has depended a lot on Data analysis. From tracking and controlling disease spread to vaccine research, Data Science proved its worth and potential. The innovativeness with which researchers utilized data to derive valuable insights has convinced me to join this field.

Data Science became my passion when I got introduced to the discipline during my undergraduate studies in Computer Science. Since then, it has been the focus of my academic and professional life. As the scope of Data Science in my graduation curriculum was limited, I signed up for a master’s. I have been working as a data scientist at the National Research Institute in India for the past seven years.

As a field of study, Data Science is still in its adolescence. Even the leading proponents are unsure about the vastness of its possibilities. As a connoisseur and practitioner, I became curious to explore these opportunities by myself. The use of heterogeneous data sources is a theme that I feel is underappreciated by professionals. The idea of combining multiple datasets into a single corpus has been avoided in the professional realm due to its intensive use of resources. This is one of the factors that bottleneck high-end researches like cancer treatment and space expeditions.

During my career as a data scientist, I have often tried to optimize the approach to heterogeneous data sources. But bound by my professional duties and limited by the availability of research facilities, I could not make any progress to this end. The drive to solve this problem has nudged me to seek a change in my career and dedicate myself to research. ”