

SOP

Data science is the study of data with the goal of gaining important business insights. Because it integrates tools, and technologies to derive meaning from multidisciplinary data, data science is significant. A profusion of gadgets that can automatically gather store data has flooded modern enterprises with data. In the areas of e-commerce, healthcare, banking, and every other facet of human existence, online systems and payment portals are methods for analyzing massive volumes of data that integrate ideas and techniques from the domains of mathematics, statistics, artificial intelligence, and computer engineering. It is a multidisciplinary method for analyzing massive volumes of data that integrates ideas and techniques from the domains of mathematics, statistics, artificial intelligence, and computer engineering. We have access to enormous amounts of text, audio, video, and image data. It is a multidisciplinary method for analyzing massive volumes of data that integrates ideas and techniques from the domains of mathematics, statistics, artificial intelligence, and computer engineering. I am highly interested in this area of expertise which is why I am applying to Heriot-Watt University for an MSc in Data Science.

I passed the secondary school examination in 2015 and the higher secondary school examination in 2017 both from state board. After completing my 12th, I was admitted to Aliah University in the B.Tech to Computer science & engineering department. It was a whole different learning experience for me which made the under graduation very interesting. I also completed the projects titled "E-Waste Management Application" & "Spam Message Detection System" those focused on Machine Learning Developer including the technology Stack: Python, NLTK, Numpy, Scikit-learn, Pandas, Matplotlib, Random Forest Algorithm, Heroku, HTML, CSS Backend developer. and the other one included the technology Stack: Java 8, Spring Framework, PostgreSQL, Postman, Swagger, Gradle, Git, GitHub, Docker, Kubernetes, Jenkins, respectively. I have various certifications as well, AZ-900: Microsoft Azure Fundamentals, AWS Cloud Practitioner Essentials (AWS training and certification, Machine Learning Fundamentals with Python Track. I also published a research paper in springer,- Conference Paper(s) Sartaj S., Mollah A.F. (2021) An Intelligent System for Spam Message Detection.

Furthermore, moving forward, I got the opportunity to work with Capgemini as a java developer. I have been responsible for Agile scrum development methodology which has been followed to develop the application, weekly Sprints, Stand-up and code review meetings. Analyzed and modified existing code wherever required and Responsible for gathering, documenting and maintaining business and systems requirements. Gained hands on exposure on Core Java features like Multi-Threading, Collections, and all four oops pillars of Java like Polymorphism, Abstraction, Encapsulation and Inheritance. Learned end-to-end project technologies and got to know real time project tools. Handled different kinds of customers and other team's problem tickets, did analysis and workarounds to provide detailed root cause of that problem, and resolved tickets. Used different web-applications to check web logic sever topics and queues for pending messages for multiple stores worldwide that helped the team to reduce the manual efforts with a saving of long hours whenever the issue happens. Good exposure in writing SQL queries to perform database operations. Learned relational database like MySQL

After researching a bit, I found that MSc in data science from Heriot-Watt University is the best fit for me. The university is the ultimate destination for all the tech giants, and the university will offer a diverse field of learning subjects such as Big Data Management, Data Mining and Machine Learning, Research Methods and Project Planning, Statistical Modelling and Analysis, Data Visualisation and Analytics and Masters project and dissertation. I would also love to enroll in various clubs and societies, such as the student club at the University, which will allow me to interact with new students and learn about their culture. I firmly believe I will be the best fit for the admission candidature at your esteemed university. In addition, it also offers research courses as well in different areas. The institution is routinely ranked among the top 60 universities in the United Kingdom, with The Times and Sunday Times placing it 39th, The Good University Guide and the Complete University Guide 34th, and The Guardian University Guide 54th for 2021.

Moreover, my short-term career goals are to complete my master's after which I am very firm to pursue

a Ph.D. degree in this area. Further, in the long term, I want to get a job that correlates with my degree and become an expert in my domain.

The UK is a very popular destination amongst students all over the world for pursuing their higher studies. It has internationally recognized degrees and is the home to several top universities in the world. Also, there is a high employability rate for students who have graduated from UK universities. The UK boasts of both ancient as well modern universities, both of which are equally prestigious and renowned worldwide. Both traditional, as well as modern universities, can be found throughout England, Scotland, Ireland, and Wales. The UK has become a favorite student destination for bachelor's as well as master's courses as they are relatively shorter in duration, making it a feasible option in terms of the cost of education and living.