Mayank Rathi

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L30BS, Liverpool

**SUMMARY** Masters in Data science and Artificial Intelligence at University of Liverpool and passionate to get a

**Data Analyst** that will make good use of my current master’s degree, my former data analyst

experience and my developed communication and problem- solving skills acquired in my

previous job role current education and activities.

**EDUCATION** **University of Liverpool**, **UK** **Oct 2020 – Dec 2021**

**Master of Science in Data Science and Artificial Intelligence (2:1)**

Research methods in Computer Science, Data mining and visualization, Machine learning and

Bioinspired optimization, Computational intelligence, Applied Artificial Intelligence, Artificial

intelligence and communication (Building AI chatbots to tackle fake news/ IBM Watson)

**University of Delhi, INDIA**

**Bachelor of Science in Mathematics** (69.5%) **July 2012-July 2016**

Linear Algebra, Calculus, Probability and Statistics.

**SKILLS** Python with MatPlotLib, NumPy, Scikit-Learn, Machine Learning, Exploratory Data Analysis.

**EXPERIENCE**  **Tutor at Tutorful , GoStudent and a Registered NTP Tutor**  **May 2022- Current**

Taking online classes and in schools by maintaining positive working relationships with students and clearing

their concepts successfully and motivating students to achieve their academic goals.

**Teaching Assistant at University of Liverpool**  **October 2020 –Dec 2021**

▪As a teaching assistant at University working agilely within an interactive, digitally enabled classes of

up to 50 undergrads for databases (MySQL) module, AI, Python.

▪Used my leadership and good communication skills to successfully tackle problems of the students in a

number of different settings (individually, small groups , in-person)

**Brand Ambassador at Study Driv**e **October 2020- Jan 2021**

▪ Responsible for networking with students in Universities to upload their class notes and working

successfully with Project Manager and the team in providing enough resource for newly Study Drive

App before the deadlines displaying high levels of professionalism and diligence.

**Data Analyst – Sagu Dreamland Pvt Ltd Nov 2016 – Feb 2019**

* Recognized for visualizing the customers data in an interesting way to provide valuable insights to different stakeholders like **locations** the customers come from and then to market the business according to it.
* Implemented the A/B testing for the digital marketing side of the business and selected the best user interface which led to increase of 55% more website visitors while working with the team and consulting with cross-functional departments of the business.
* Used my own initiative to find out the algorithm to predict optimal ticket prices by comparing with other businesses over the years which led to increase in total ticket sales by 25% over the previous year.
* Build an automatic chatbot for the business using IBM Watson to lessen the load and enhance the customer experience.

**PROJECTS**

1. **SCOPING COBOT ROUTINE TASKS - UNILEVER March 2021-Nov 2021**

**Delivered the project** that is about scoping what is already existing in the public domain/ other industries for Cobots or other automation platforms for handling and dispensing liquids (range of viscosities) and solids including powders.

Presented a report that was marked a success and used in further analysis of the use of cobots in Industry.

1. **Analysis of Political Commentary on Reddit- Dissertation June 2021- Oct 2021**

Executed the project aimed to do sentiment analysis on political commentary done by Reddit users and classify users as left-wing or right-wing. Successfully implemented use **of Data Mining, NLP and machine learning using TensorFlow, Scikit-learn** to examine public comments and visualize the output in interesting way. The project got an accuracy of almost 72% and further improved using Data-cleaning methods to 80%.

1. **Scoring Guilford Alternate Use Task Volunteer project - IONS, USA May 2022- July2022**

Coordinated the project with the team to clean the data and to manual score answers to the Alternate Use Task that was collected through IONS Discovery Lab and then to fit the data for a machine learning approach to finish the rest automatically.

**VOLUNTEERING & LEADERSHIP**

1) **VICE-PRESIDENT OF D.S.A.I. Society at University of Liverpool**  **October 2020-2021**

As a Vice-President of the Data science and Artificial intelligence society, my role involved organizing

successful seminars, events, quizzes and engaging innovatively with the members like researching relevant

materials and translating these to appropriate formats (blogs, vlogs, leaflets, events, presentations) on weekly

basis to keep them motivated which clearly demonstrates my organizational and managerial skills.

2) **FEEDING INDIA Dec 2017- Jan 2019**

▪I was involved with a team of humanitarian organization for fund-raising activities, recruiting volunteers,

managing and distributing resources to the needy.

▪I engaged with people on behalf of my team and developed new and exciting resources to understand their

problem and successfully solved their difficulties.

**ACTIVITIES & INTEREST**

* Member of Liverpool Astronomical Society and Go-Stargazing.
* Member of British Skydiving Association
* **MENSA IQ of 128**