

MANOJ CHANDRA

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I am currently a master's student in Data Science at the University of Nottingham and have a strong academic background in mathematics from the University of Delhi. Through my previous work, projects, and courses I have gained experience in data science and machine learning. I have also taught mathematics to school student, which helped me develop strong communication and problem-solving skills. I am seeking for a role which would help contributing my technical, leadership and teamworking skills and would be highly beneficial for my chosen field.

EDUCATION

THE UNIVERSITY OF NOTTINGHAM, UK – MSC (TAUGHT) DATA SCIENCE (2025 – 2026)

- **Relevant Modules:** Machine Learning, Statistical ML and Modelling, Big Data Technologies, Databases.
- UoN SOUTH ASIA POSTGRADUATE EXCELLENCE AWARD

THE UNIVERSITY OF DELHI, INDIA – BSC (HONOURS) MATHEMATICS – **First Class Honours** (2019 – 2022)

- **Relevant Modules:** Probability, Statistics, Economics, Mathematical Finance, Calculus, Linear Algebra, Mathematical Modelling, Differential Equations, Discrete Mathematics, LaTeX & HTML, Wolfram Mathematica, C++, and R programming.
- INSPIRE SCHOLARSHIP FOR HIGHER EDUCATION – *Dept. of Science & Technology, Govt. of India*

EXPERIENCE

OUTLIER AI (FREELANCE) – AI TRAINER (MATHEMATICS EXPERTISE)

OCT 2024 – DEC 2024

- Assessed and evaluated the factuality and relevance of AI-generated mathematical content, ensuring high standards of accuracy.
- Ranked and provided detailed feedback on AI responses, focusing on precision and applicability in real-world mathematical scenarios.
- Developed and solved complex mathematics-related questions to improve AI model comprehension and response quality.

THE SPARKS FOUNDATION, INDIA – INTERN (DATA SCIENCE & BUSINESS ANALYTICS)

MAY 2024 – JULY 2024

- Demonstrated expertise in supervised and unsupervised machine learning by designing and assessing linear regression and K-means clustering models.
- Assisted creating detailed visualisations, including scatter plots and regression lines, to effectively present data insights and model results.
- Engaged in peer reviews and supported fellow interns, promoting a collaborative and supportive internship experience

MATHEMATICS – PRIVATE TUTOR (FREELANCING)

2018 – Present

- Enhanced presentation and communication skills by delivering engaging lessons on mathematics, guiding primary and secondary school children in developing the understanding of key topics.
- Mentored and empowered students to master problem-solving skills in mathematics through a positive and interactive learning environment, improving overall performance resulting in 100% success in the final exams.

Recent PROJECTS

CURRENT WEATHER APP ↗

- Built a weather app using Django that pulls real-time data from the REST API (OpenWeatherMap API).
- Used HTML, CSS, and JavaScript to create a simple, user-friendly web interface where users can search any city to get up-to-date weather info instantly.
- Gained hands-on experience on REST API requests and building web app using Django.

BRITISH AIRWAYS CUSTOMER REVIEWS ANALYSIS and BUYING BEHAVIOUR PREDICTION MODEL ↗

- Completed a simulation focussing on how data science is a significant component of British Airways' success.
- Scraped and analysed customer review data to uncover findings.
- Built a predictive model to understand factors that influence buying behaviour.

FINANCIAL MARKET FORECASTING and TREND ANALYSIS ↗

- Demonstrated expertise using NumPy and Pandas libraries for data analysis on 10 years' worth of bank finance data and visualisation using Python libraries.
- Applied advanced machine learning algorithms to real-world data to interpret market trends and identify trading opportunities.

SKILLS

- Programming languages: Python, R, MySQL, HTML, CSS, C++, Mathematica, LaTeX.
- Packages & libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn.
- Data Modelling: Statistical Analysis, Linear and Logistic Regression, Random Forest, Decision Tree, KNN, Clustering.
- Data visualisation: Tableau, Power BI, MS Excel (XLOOKUP, VLOOKUP, Pivot tables, Power Query), Google sheets.

CERTIFICATES

Data Analytics Essentials, Introduction to Data Science – *CISCO*

IBM SQL for Data Science – *EDX*

AI Fundamentals – *IBM*

Python for Machine Learning and Data Science Bootcamp – *UDEMY*

British Airways Data Science, BCG Data Science, BCG GenAI Chatbot – *FORAGE (Virtual Job Simulation)*

AWARDS & ACHIEVEMENTS

SOUTH ASIA POSTGRADUATE EXCELLENCE AWARD – UNIVERSITY OF NOTTINGHAM

- The South Asia Postgraduate Excellence Award is offered by UoN to high-achieving international students from South Asia who have achieved academic excellence and show strong passion for their chosen field of study.

INSPIRE SCHOLARSHIP FOR HIGHER EDUCATION – DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA

- INSPIRE Scholarship is awarded to students who rank within the top 1% of their 12th standard examination across any state or central board in India.