Manoj Chandra
Data Analyst

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EDUCATION

BSc, Mathematics (Honours) | University of Delhi, New Delhi   Jul 2019 – May 2022
- *Coursework:* Linear Algebra, Real Analysis, Matric Spaces, Group Theory, Ring Theory, Complex Analysis, Calculus, Partial Diff. Eqn., Multivariable Calculus, Discrete Mathematics, LaTeX & HTML, C++, Computer Algebra Systems and Related Software (Mathematica, R Programming).

BTech, Computer Science Engineering | Indraprastha Institute of Information Technology, Delhi   Jul 2017 – May 2018

INTERNSHIP EXPERIENCE

Data Science Internship | iNeuron.ai   Apr 2024 – Present
- Collected, interpreted, and analysed the data for sentiment analysis of customer reviews utilizing SQL queries.
- Developed and implemented sentiment analysis algorithms within SQL environment, showcasing analytical and problem-solving skills.
- Collaborated with team members to integrate SQL-based sentiment analysis, highlighting teamwork and communication abilities.

PROJECTS

911 Calls Project   March 2024
- Conducted comprehensive exploratory data analysis (EDA) for 911 calls data using R's dplyr and ggplot2, creating insightful visualizations like heatmaps. Identified temporal trends to inform emergency response strategies.
- Applied complex data reshaping techniques in R, leveraging functions like group_by and spread. Transformed data into matrix form for heatmap and cluster map generation.
- Facilitated the creation of interactive data visualizations, contributing to a 25% boost in stakeholder engagement and comprehension, ultimately expediting data-driven decision-making by 20%.

Finance Analysis Project   May 2024
- Financial Data Analysis Proficiency: Demonstrated expertise in analysing stock market data using Python libraries like Pandas, NumPy, Seaborn, Plotly, and Cufflinks.
- Applied advanced techniques like candlestick plots and moving averages to interpret market trends and identify trading opportunities.
- Effective Communication: Presented complex financial concepts clearly in project solution lectures, showcasing strong presentation skills.

CERTIFICATIONS

BCG GenAI Job Simulation on Forage   April 2024
- Completed a job simulation involving AI-powered financial chatbot development for BCG's GenAI Consulting team.
- Gained experience in Python programming, including the use of libraries such as pandas for data manipulation.
- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.

Accenture North America Data Analytics and Visualization Job Simulation on Forage   April 2024
- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modelled, and analysed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

Python for Data Science and Machine Learning Bootcamp | Udemy   April 2024
- Gained hands-on experience in Python programming and developed a strong foundation in data manipulation and analysis.
- Acquired skills using NumPy and Pandas libraries for data analysis and visualizations using Matplotlib, Seaborn, Sci-kit learn and Plotly libraries, enabling effective communication of data insights.
- Skilled in various machine learning algorithms including Linear Regression, KNN, Clustering, NLP, Neural Nets and Deep Learning, and SVM, applying them to real-world problems.

SKILLS & TOOLS:

MySQL, PowerBI, Tableau, Microsoft Excel, R Programming, Python, SQL Server, SQL, Mathematics, Statistics, Microsoft Office, Git, GitHub, Azure, Docker, Jupyter Notebook, Mathematica, MATLAB, C++, JAVA, Google Colab, logic, Machine Learning, Extract, Transform, Load (ETL), AWS, HTML5, CSS.
Soft Skills: Analytical Thinking, Teamwork, Leadership, Strong Communication Skills
Languages: English (Advanced), Hindi (Native)

VOLUNTEERING ACTIVITIES AND EXTRACURRICULARS

Event Planning and Execution | ODYSSEY'18, IIIT-DELHI   Sep 2017 – Jan 2018
- Volunteered in organizing IIIT-Delhi's Cultural Fest 2018.
- Directed the planning and implementation of IIIT-Delhi's Cultural Fest 2018, overseeing a team of 60 volunteers to manage 50+ events and activities, attracting 2000+ attendees and generating a 20% increase in sponsorships.

UPSC Civil Services Examination Course | Sriram's IAS Institute   Jun 2022 – Present
Coursework: Ecology & Environment, Science & Technology, Geography (India & World), History (India & World), Polity & Constitution of India, International Relations, Ethics, Governance, Security & Disaster Management, Social Justice.
- Personality enhancement, Fine-tuned patience, persistence, and accountability.
- Developed neutral perspective shaping myself into a forward-thinking individual.
- Secured a position within the top 0.02% of candidates by qualifying for the Mains Examination, outperforming 14622 students in a cohort of around 600,000.