Manoj Chandra

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EDUCATION

BSc, Mathematics (Honours) | University of Delhi, New Delhi   Jun 2019 – Jul 2022
Grade: First-Class Honours
- *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).

WORK EXPERIENCE

AI Trainer – Mathematics Expertise | Outlier (Part-time, freelance)   Oct 2024 – Dec 2024
- Assess and evaluate the factuality and relevance of AI-generated mathematical content, ensuring high standards of accuracy.
- Craft and answer complex mathematics-related questions to improve AI model comprehension and response quality.
- Rank and provide detailed feedback on AI responses, focusing on precision and applicability in real-world mathematical scenarios.

Data Science and Business Analytics Intern | The Sparks Foundation   Jun 2024 – Jul 2024
- Demonstrated expertise in both supervised and unsupervised machine learning by designing and assessing linear regression and K-Means clustering models.
- Created detailed visualizations, 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 Tutor | Self-employed   Aug 2018 – Present
- Orchestrated engaging mathematics lessons for a cohort of 80+ high school students, resulting in a 25% improvement in overall grades and a 100% result in the finals.
- Mentored and empowered all 80+ students to master problem-solving skills in mathematics through tailored coaching sessions, resulting in improvement of overall performance in test scores and increased self-confidence levels.

SKILLS & TOOLS

Programming Languages: Python, C, C++, MySQL, R Programming, HTML, CSS.
Tools: Power BI, Azure, Pandas, NumPy, Sci-kit learn, Mathematica, LaTeX, Jupyter Notebook, SQL Server, Database Management System, Tableau, Microsoft Excel, Git, GitHub.
Soft skills: Teamwork, communication, analytical and problem-solving, leadership.

CERTIFICATIONS

IBM: Artificial Intelligence Fundamentals
CISCO: Introduction to Data Science, Data Analytics Essentials
Edx: Fundamentals of Data Visualization with Power BI
Forage: British Airways Data Science Job Simulation, BCG GenAI Job Simulation, Accenture Data Analytics and Visualization Job Simulation
Udemy: Complete A.I. & Machine Learning, Data Science Bootcamp, Python for Data Science and Machine Learning Bootcamp
Coursera: Python Basics
LinkedIn: SQL Essential Training, Learning Excel for Data Analysis

EXTRACURRICULAR ACTIVITIES

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 20+ events and activities, attracting 1000+ attendees.

UPSC Civil Services Examination Course | Sriram's IAS Institute   Jun 2022 – Dec 2024
Coursework: Ecology & Environment, Science & Technology, Geography (India & World), History (India & World), Polity & Constitution of India, International Relations, Ethics, Governance, Security & Disaster Management, Social Justice etc.

INSPIRE – SHE SCHOLARSHIP | DEPARTMENT OF SCIENCE & TECHNOLOGY, Govt. of India
- Provisionally selected for the award of INSPIRE Scholarship for Higher Education (SHE) Scholarship.
- Developed neutral perspective shaping myself into a forward-thinking individual.