VIKASH KUMAR

Master of Operational Research
Department of Operational Research
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Academic Qualifications

Year	Degree	Institute	Marks
2024 - Present	Master of Operational Research	University of Delhi	Expected
2024	B.Sc. Mathematical Science	University of Delhi	8.818
2021	CBSE (XII)	Jawahar Navodaya Vidyalaya, Samastipur	89.4%
2019	CBSE (X)	Jawahar Navodaya Vidyalaya, Samastipur	94.8%

Technical Skills

- **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn), C++ (DSA), PHP
- **Data Science & Machine Learning:** Supervised Learning, Regression, Classification
- **Databases:** MySQL, MSSQL
- **Tools:** LaTeX, BeautifulSoup (Web Scraping)

Projects

Predicting Student Performance Using Multiple Linear Regression
- Conducted Exploratory Data Analysis (EDA).
- Engineered features by transforming categorical variables for model optimization.
- Developed a high-accuracy predictive model using Multiple Linear Regression ($R^2 = 0.99$ on test data).
- **Tools Used:** Python (NumPy, Pandas, Matplotlib, Seaborn), Scikit-Learn

Scraping, Analyzing, and Visualizing Men's ODI Cricket Statistics
- Scraped men's ODI cricket statistics from the BCCI website using BeautifulSoup, storing data in a structured Pandas DataFrame.
- Cleaned and formatted data to ensure consistency and usability for further analysis.
- Performed EDA and visualization to uncover trends in player and team performance using histograms and other statistical techniques.
- **Tools Used:** Python (BeautifulSoup, Pandas), Matplotlib, Seaborn

Work Experience

- Subject-Matter Expert (Statistics and Probability), Chegg *2022-23*

Certifications

- Supervised Machine Learning: Regression and Classification - Coursera *December 2024*
  (by Andrew Ng, Stanford University)
- Applied Data Science Lab - WorldQuant University *Ongoing*
  (Hands-on training in data analysis, machine learning, and predictive modeling using Python.)

Positions of Responsibility

- **Project Head**, ENACTUS P.G.D.A.V (2022-23) - Led community-based initiatives.
- **School Captain** (2019-20) - Led the student body as School Captain, fostering teamwork, discipline, and student engagement.

Academic and Extracurricular Achievements

- Ranked 7th in the International Mathematics Olympiad (Andhra Pradesh Telangana Zone).
- Represented Patna Region in 27th National Handball Meet (Under-14), Jaipur Region.
- Zonal Rank 1 in the finals of the National Science Olympiad (Bihar Zone).