

Manas Srivastava

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Profile

Data Analyst with 6 months of experience in SQL, Python, Machine Learning, and Power BI. Interested in solving business problems through data analysis, predictive modeling, and data-driven insights.

Technical Skills

Programming & Querying: SQL, Python (Pandas, NumPy, Scikit-learn)

Data Analysis: EDA, Data Cleaning, Feature Engineering, Statistical Analysis, Regression Analysis

Machine Learning: Supervised Learning, Unsupervised Learning, ANN, Ensemble Methods, Model Evaluation, Hyperparameter Tuning

AI & Generative AI: Prompt Engineering, Generative AI

Business Analytics: KPI Reporting, Funnel Analysis, A/B Testing, Cohort Analysis

Visualization: Power BI, Matplotlib, Dashboard Development

Tools: Excel (Pivot Tables, VLOOKUP, XLOOKUP), Databricks, Github

Work Experience

Business Strategy Intern / DefineCareer

Jul 2025 – Sep 2025

Tools: Microsoft Excel, CRM

Reporting: Founder Office USA

- Built and maintained an Excel-based database of 500+ TPO contacts, improving outreach tracking and registration pipeline visibility.
- Standardized institution records and tracked outreach activities, converting 5–7 colleges into hosts for online career-readiness workshops.
- Analyzed registration performance and proposed a resume review track, increasing workshop registrations from approximately 10 to 13–14 (35%).

Data Analyst Intern / Infosys Springboard

Feb 2025 – May 2025

Tools: Python, Pandas, Scikit-learn, Machine Learning

Remote

- Built predictive models for customer churn and sales forecasting using regression, ensemble, and boosting techniques, achieving **86.70%** and **83.60%** accuracy, respectively.
- Processed datasets with up to **15% missing values** using imputation, data cleaning, and feature engineering to prepare reliable data for predictive modeling.
- Supported data validation, cleaning, and preparation workflows, ensuring analysis-ready datasets for model development and evaluation.

Projects

Job Market Trend Analysis Dashboard — Python, SQL, Power BI

GitHub Power BI

- * Analyzed **700K+ job postings** using SQL (CTEs, joins, window functions) to uncover hiring trends, in-demand skills, and regional employment patterns.
- * Identified high-demand skills, salary bands, and hiring hotspots; wrote reusable SQL scripts to automate data preparation, **cutting manual analysis time by 30%**.
- * Built a Power BI dashboard to analyze salary distributions, skill demand, hiring trends, and regional job-market patterns.

Tribological Behaviour Prediction & Optimization — Python, Scikit-learn, Pandas

GitHub

- Developed a machine learning framework to predict Wear Rate and Coefficient of Friction (COF) in Cu–Gr–TiC composites, reducing reliance on costly and time-intensive tribological experiments.
- Performed EDA, feature engineering, hyperparameter tuning, Compared ANN, Random Forest, SVR, and KNN models, achieving **$R^2 = 0.96$** for COF and **$R^2 = 0.89$** for Wear Rate prediction.
- Identified Applied Load as the most influential wear parameter and optimized operating conditions (30 N Load, 8000 m Distance, 4.5 wt.% TiC) to minimize Wear Rate and COF through data-driven modeling.

Achievements

- Selected Trainee for **McKinsey & Company Forward Program** – (8-week business analytics & leadership program).
- Achieved **Global Rank 4,500 (Top 0.9%)** among 537,000+ participants in TCS CodeVita Season 12.
- **5-star SQL** badge on HackerRank.
- Finalist – **NSUT Datasphere Challenge**.
- Scored **82/100** on Newton School Data Analyst Skill Assessment (benchmark: 75+).

Education

Bachelor of Technology (Mechanical Engineering)
Kamla Nehru Institute of Technology (KNIT), Sultanpur

Year: 2022–2026
CGPA: 7.14/10

Certifications

- **Google Analytics Certification** – Google
- **Career Essentials in Data Analysis** – LinkedIn Learning
- **AWS Cloud Practitioner Essentials** – AWS Academy