

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Tableau
- Excel (VLookup, XLookup, Conditional Formatting, Pivot Tables)
- Microsoft Azure (DataBricks, Azure Data Lake, Azure Data Warehouse)
- PySpark
- Microsoft Power BI

Projects

Loan Prediction System

May 2025

Python, Scikit-learn, Pandas, Jupyter Notebook, REST API | Accuracy: 75–80%

- Built a supervised learning classification model to predict loan approval outcomes with 75–80% accuracy and clear risk stratification.
- Implemented feature engineering and hyperparameter tuning using GridSearchCV; exposed predictions via a REST API endpoint for integration testing.

Lung Cancer Risk Prediction

August 2025

Python, PyTorch, Pandas, Deep Learning | Accuracy: 78%

- Developed a deep learning model for early-stage lung cancer detection trained on 5,000+ medical records, achieving 78% accuracy with optimized precision-recall trade-off.
- Applied data preprocessing, class balancing, and model evaluation metrics (F1, AUC-ROC) to ensure clinical relevance of predictions.

COVID-19 Trend & Air Quality Impact Analysis

April 2026

Python, Pandas, NumPy, Matplotlib, Statistical Modeling

- Analyzed 5,000+ pandemic and air quality records to identify correlations and forecast trends; methodology documented and published on GitHub.
- Applied time-series decomposition and regression modeling to quantify the relationship between lockdown periods and AQI improvement across cities.

Certifications

- GenAI Job Simulation — Forage | Hands-on AI/ML application in real-world scenarios
- GenAI-Powered Data Analytics Simulation — Forage | Industry-standard analytics workflow
- Quantitative Research Job Simulation — Forage | Statistical modeling and financial predictions
- Deloitte Data Analytics Job Simulation — Forage | Real-world business problem-solving with data
- Big Data for Beginner (3C) — IBM Skills Network (IBM MOOC) | Issued: March 2026

Education

Teerthanker Mahaveer University — Moradabad, Uttar Pradesh

July 2023 – August 2027

B.Tech in Computer Science Engineering | CGPA: 8.0 / 10

Declaration

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.