Abhishek
Data Scientist

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TECHNICAL SKILLS

- **Language** – Python
- **Database** – MySQL, PostgreSQL, SQL Server
- **Technologies –**
  - Data-Visualization, Statistical Analysis, Data Cleaning, Data Wrangling
  - **Machine Leaning** – Linear, Logistic, KNN, Decision Tree, Random Forest, K-Mean Clustering, PCA.
  - Data Structure
- **Frameworks** – NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn.
- **Advance Analytics** – Excel
  - **Cloud** – Familiar with AWS

PROJECTS

Loan Prediction Project (Machine Learning, Python)
- Analysed loan data by handling 10% missing values, removing 5% outliers, and scaling features for 100% normalization.
- Converted categorical data to numerical using label encoding and corrected 20% data skewness for model accuracy.
- Evaluated 4 machine learning models: Logistic Regression, Naive Bayes, Decision Tree, and Random Forest.
- Achieved 83% accuracy in predicting loan status with Logistic Regression and Naive Bayes, demonstrating robust performance.

Space Invader Game (Advance Python, Pygame)
- Interactive 2D Space Invaders game using Python and Pygame, incorporating smooth player movement, enemy mechanics, and bullet firing systems.
- Implemented collision detection using distance formula, optimized bullet-enemy interaction for real-time responsiveness.
- Managed multiple enemy objects with randomized positions for unpredicted attacks and challenges.

Customer Churn Prediction - Telecom Industry (Python, EDA, ML)
- Conducted telecom customer churn prediction using logistic regression, achieving an 82% accuracy.
- Managed the entire pipeline, including data cleaning, feature engineering, and feature encoding on a dataset with 10,000+ records.
- Performed exploratory data analysis (EDA) to understand patterns and identify key variables.
- Highlighted crucial features, including contract type, tenure, and monthly charges, which improved model precision by 20%.
- Deployed actionable insights, enabling personalized retention strategies that increased customer retention by 15%.

EDUCATION

- **Bachelor of Technology (B.Tech) in Computer Science**
  United College of Engineering and Research, Noida
  Expected Graduation: 2025
  4th Year Student

- **12th Grade**
  DTEA Senior Secondary School, R.K. Puram, New Delhi

- **10th Grade**
  Sarvodaya Vidyalaya No. 1, New Delhi

CERTIFICATES

- Machine Learning by **Softpro** — **2024**
- NumPy for Data Science – Real Time Exercises by **UDEMY** — **2024**
- Pandas by **Kaggle** — **2024**
- Supervised Machine Learning: Regression and Classification by **Standford Deeplearning.ai** — **2024**
- Introduction to Statistics by **Standford** — **2024**
- Master MySQL for Data Science by **UDEMY** — **2024**