Abhishek

Data Scientist

9910982619
abhishek9910k@gmail.com
New Delhi- 110016
www.linkedin.com/in/abhishek9910

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.
  - **Deep Learning –** Neural Network Building, Transfer Learning, CNN etc.
- **Frameworks** – NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras.
- **Advance Analytics** – Ms Word, Ms PowerPoint, MS Excel, Power BI

PROJECTS

Loan Prediction Project (Machine Learning, Python) Link

- Analysed loan data by handling 10% missing values, removing 5% outliers, and scaling features.
- Converted categorical data to numerical using LabelEncoder and corrected 20% data skewness.
- 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.

Wine Quality Prediction (Machine Learning, Python, EDA, Pandas Profiling) Link

- Built a machine learning model to classify wine quality using physicochemical properties.
- Preprocessed data, conducted EDA, and performed feature selection for optimal modelling.
- Evaluated multiple algorithms, including Random Forest achieving 85% accuracy.
- Addressed class imbalance with SMOTE and optimized performance through hyperparameter tuning.
- Demonstrated the use of data science to streamline quality control in the wine industry.

Food Vision Project (Deep Learning, TensorFlow, Keras, Food101) Link

- Developed a deep learning model for food image classification using TensorFlow and the Food101 dataset.
- Implemented data preprocessing techniques including resizing, normalization, and data augmentation.
- Applied mixed precision training to accelerate the training process, achieving up to 3x speed improvements on compatible GPUs.
- Built and fine-tuned a high-accuracy feature extraction model, outperforming the baseline DeepFood model.
- Visualized training and performance metrics using TensorBoard.
- Achieved [specific accuracy/metrics] on the Food101 dataset with [specific model architecture].

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** Link **2024**
- NumPy for Data Science – Real Time Exercises by **UDEMY** Link **2024**
- Pandas by **Kaggle** Link **2024**
- Supervised Machine Learning: Regression and Classification by **Standford Deep learning** Link **2024**
- Introduction to Statistics by **Standford** Link **2024**
- Master MySQL for Data Science by **UDEMY** Link **2024**