



TECHNICAL SKILLS

- **Language** – Python
- **Database** – MySQL, PostgreSQL, SQL Server
- **Technologies** –
 - Data-Visualization, Statistical Analysis, Data Cleaning, Data Wrangling
 - **Machine Learning** - 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

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|---|---|
| ➤ 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

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| • 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 Stanford Deep learning Link | 2024 |
| • Introduction to Statistics by Stanford Link | 2024 |
| • Master MySQL for Data Science by UDEMY Link | 2024 |