Harshit Dwivedi

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EDUCATION

KIIT College of Engineering — Gurugram, India

Bachelor of Technology (Computer Science Engineering) — **2022 – 2026**

SKILLS SUMMARY

- **Languages:** Python, SQL, R, C++
- **Frameworks:** Pandas, Numpy, Matplotlib, Scikit-Learn
- **Tools:** MySQL, SQLite, Excel, PowerPoint, MS – Office
- **Platforms:** Visual Studio Code, PyCharm, Jupyter Notebook
- **Soft Skills:** People Management, Excellent Communication, Rapport Building

WORK EXPERIENCE

DATA SCIENCE INTERN | LINK — **February 25 – March 25**

- Cleaned and preprocessed a customer transaction dataset of 50,000+ records, reducing data inconsistencies by 25% through outlier detection and imputation, significantly improving the reliability of subsequent customer segmentation analysis.
- Performed exploratory data analysis (EDA) on a website clickstream dataset, identifying 7 key user behavior patterns.
- Developed and implemented data transformation pipelines using Python (Pandas, NumPy) to automate the feature engineering process for a product recommendation system, resulting in a 30% reduction in data processing time.

PROJECTS

The Rainfall Prediction — **January 25 – February 25**

- Achieved a 92% accuracy rate in predicting daily rainfall amounts by developing and deploying a Long Short-Term Memory (LSTM) recurrent neural network, utilizing historical weather data and atmospheric pressure readings.
- Reduced prediction error by 18% compared to baseline models by implementing advanced feature engineering techniques, including incorporating seasonal indices and lagged rainfall data.
- Enhanced the model's predictive capabilities by incorporating real-time satellite imagery data, resulting in a 15% reduction in false positive rainfall predictions.

Credit Card Fraud Detection — **November 24 – December 24**

- Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

CERTIFICATES

Data Analysis with Python (IBM) | CERTIFICATE

- Learned about the data manipulation, data cleaning and prediction.
- Mastered data gathering, identification, and cleaning for analysis preparation.

Google AI Essentials (GOOGLE) | CERTIFICATE

- Learned about the Artificial Intelligence and fundamental concepts.
- Real world experience and Hands on projects.