Yash Verma

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PROFILE

Passionate and meticulous Data Analyst with a solid background in data science, statistics, and data handling. Experienced in examining complex datasets and deriving meaningful insights to support data-driven decisions. Skilled in multiple programming languages and tools, and enthusiastic about applying analytical skills to tackle real-world data problems.

SKILLS

Programming Language : Python
Data Visualization : Power BI, Seaborn, Matplot
Machine Learning : Regression, Classification, Clustering
Data Analysis : MS Excel, Pandas, Numpy
Database Management :SQL, MySQL

PROFESSIONAL EXPERIENCE

VTY Consulting LLP, **Data Analyst (**Jan 2025- Present)
- Conducted in-depth analysis of Medium Frequency Trade (MFT) orders to extract actionable insights supporting the algo trading business.
- Collaborated in the development of a client-based **Power BI dashboard**, enabling real-time performance monitoring and reporting.
- Assisted in building the organization's **database server** and contributed to the design of an internal **HRMS system** to streamline operations.
- Enhanced proficiency in **Python** for backend development, data cleaning, and analytics in both technical support and trading-related projects.
- Actively contributed to the automation of data workflows and performance reporting to aid strategic decision-making.

ConTecHub, **Data Analyst (**Jan 2024- Jul 2024)
- Collaborated on client-based **Power BI dashboards** for monitoring performance metrics.
- Contributed to database management and supported ETL-based data cleaning and transformation.
- Gained hands-on exposure to backend analytics and workflow automation.

UpFlairs PVT. LTD, **Trainee & Intern** (May 2022- Jul 2022)
- Acquired comprehensive knowledge in data science, machine learning, and deep learning through an immersive internship and training program.
- Developed expertise in Python libraries such as Pandas, NumPy for data analysis, Matplotlib, and Seaborn for data visualization.
- Built machine learning models using scikit-learn and TensorFlow, applied to real-world projects including a live recommendation system, house price prediction, and weather forecasting.

PROJECTS

Hand Written Recognition   Feb 2023 – Apr 2023
- Implemented a handwritten recognition system using a dataset with 42,000 rows and 785-pixel columns, achieving high accuracy across various models:
    - Logistic Regression: 94%
    - Random Forest Classifier: 84.88%
    - K-Nearest Neighbors: 96.8%
    - Support Vector Machine: 97%
    - ANN - LSTM: 97%
- Applied Min-Max Scaler for data normalization, enhancing model performance for practical applications in banking and postal services

Detect Fake News   Oct 2022 – Jan 2023
- Developed a model to detect fake news using natural language processing (NLP) techniques with a dataset of 6,335 rows.
- Employed NLTK for text prepossessing and corpus creation, achieving:
    - - Gaussian Naive Bayes: 69.45% accuracy
    - - Multinomial Naive Bayes: 81.13% accuracy
- Provided an effective solution for combating misinformation on online platforms.

Sentimental Analysis   Sept 2023 – Nov 2023

- Conducted sentiment analysis on Twitter data to classify tweets as positive or negative using LSTM RNN.
- Utilized NLTK and scikit-learn for preprocessing and feature extraction, achieving:
    - 94.7% training accuracy and 95.4% test accuracy on the final dataset of 1,600,000 tweets.
- Model supports real-time tracking of public opinion and social media monitoring.

EDUCATION

Jaipur National University
Bachelor of Technology (Computer Science and Engineering),   Sept 2020 – Aug 2024

CERTIFICATES

Data Analysis with Python   Coursera | IBM
Python for Data Science and AI   Coursera | IBM
Data Analysis   Microsoft