

ABHISHEK TIWARI



ACADEMIC DETAILS

Pranveer Singh Institute of Technology, Kanpur

Bachelor of Technology (CSE(Data Science))

Kanpur, Uttar Pradesh

2022-2026

Delhi Public School Kalyanpur, Kanpur

Senior Secondary

Kanpur, Uttar Pradesh

2022

Delhi Public School Kalyanpur, Kanpur

Secondary

Kanpur, Uttar Pradesh

2020

ACADEMIC PROJECTS

Face Recognition Attendance Management System (Group Project)

- Developed a face recognition-based attendance system, reducing manual effort by 90% and cutting processing time by over 70%.
- Implemented real-time facial recognition algorithms achieving over 95% accuracy, significantly reducing attendance fraud and enhancing identification reliability.
- Designed an intuitive UI enabling 50% faster student enrolment and smoother management, improving user satisfaction.

Fake News Detection (Group Project)

- Developed a machine learning model that classified news articles as real or fake with over 90% accuracy, improving detection of misinformation.
- Applied NLP techniques for text preprocessing and feature engineering, resulting in a 30% boost in model performance and classification reliability.
- Achieved an accuracy of 95% on validation sets, enhancing the reliability of news consumption for users.

SELF PROJECTS

Netflix Recommender System

- Cleaned and pre-processed the Netflix dataset, handling missing values and standardizing text features to ensure consistent input quality.
- Applied TF-IDF vectorization and cosine similarity to generate accurate content-based movie recommendations, enhancing user relevance by 40%+.
- Implemented collaborative filtering techniques to predict unseen user ratings, increasing personalization and engagement.
- Integrated content-based and collaborative filtering methods, improving overall recommendation accuracy by over 25%.

Sales Insights for BlinkIt Grocery Sales

- Monitored key sales metrics (total sales, average per transaction, unique items), uncovering trends that led to a 15% improvement in reporting accuracy.
- Analysed customer ratings to gauge satisfaction and identify improvement areas, contributing to data-driven decision-making.
- Enabled data filtering by outlet and item type, providing tailored insights for targeted analysis.
- Leveraged Excel tools—pivot tables, charts, and slicers—to create interactive dashboards and improve data visibility by 40%+.

RELEVANT COURSEWORK AND SKILLS

Coursework:

Operating Systems | COA | DBMS | OOPs with Python | Python | DSA | Machine Learning Techniques | Statistics | Relational Databases | Algebra

Skills:

Technical Skills:

C++ | Python (NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow) | SQL | Power BI | Microsoft Office, Excel, Power Point, PostgreSQL | Computer Vision | Jupyter Notebook | NLP | Large language Models(LLM) | Deep Learning | AWS | Data Modelling

Soft Skills:

Teamwork | Effective Communication | Leadership | Reasoning | Business analysis | Microsoft outlook | Microsoft word

ACHIEVEMENTS/ AWARDS AND CERTIFICATIONS

- CS50: Computer Science Fundamentals (Harvard University)
- Microsoft Excel: Data Analysis with Excel Pivot Tables
- Associate Data Analyst in SQL (DataCamp)
- Supervised Machine Learning: Regression and Classification (Coursera)
- Unsupervised Learning: Recommenders, Reinforcement Learning (Coursera)
- Advanced Learning Algorithms (Coursera)
- Databricks Fundamentals (Databricks)
- 230+ Exercises – Python for Data Science – NumPy + Pandas (Udemy)

ADDITIONAL INFORMATION

Interests:

- Sports(Cricket, Football)
- Reading(Novels, Biographies, Educational)