

ABHISHEK TIWARI



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ACADEMIC DETAILS

Pranveer Singh Institute of Technology, Kanpur	Kanpur, Uttar Pradesh
Bachelor of Technology (CSE(Data Science))	2022-2026
Delhi Public School Kalyanpur, Kanpur	Kanpur, Uttar Pradesh
Senior Secondary	2022
Delhi Public School Kalyanpur, Kanpur	Kanpur, Uttar Pradesh
Secondary	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 (Data Camp)
- 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)