

PRERNA PANDEY

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SUMMARY

Highly motivated individual with a strong foundation in data analysis, machine learning, problem solving and data-driven decision-making. Passionate about leveraging technology to solve real-world problems and optimize decision-making processes. Eager to apply analytical and problem-solving skills to innovative projects.

EXPERIENCE

Machine Learning Intern(Genz Educatewing)

June 2024-July 2024

- Developed a BERT-based sentiment analysis model for classifying text data, optimizing performance using NLP techniques and evaluation metrics.
- Built a fake news detection model using Naive Bayes and NLP techniques, implementing feature selection, model training and performance evaluation.

PROJECTS

Student Performance Prediction

- Developed a student performance prediction model using ML techniques, achieving 88% accuracy with Linear Regression, XGBoost, and Random Forest.
- Built and deployed a Flask API on Microsoft Azure for real-time predictions, ensuring scalability and seamless accessibility.

Movie Recommendation System

- Developed a movie recommendation system using the IMDB dataset and cosine similarity for personalized content-based filtering.
- Preprocessed and analyzed movie metadata to enhance recommendation accuracy and improve user experience.

Plant Disease Prediction

- Developed a CNN-based Plant Disease Prediction model to classify plant diseases using image processing, optimizing accuracy for early detection and prevention.
- Implemented early stopping and data preprocessing techniques (image augmentation, resizing, normalization) to enhance model performance and prevent overfitting.

SKILLS

- Python
- SQL
- Excel
- Machine Learning
- Power BI
- Data Analysis
- Statistics
- Data Visualization

EDUCATION

Masters of Computer Applications(Artificial Intelligence and Machine Learning)	2023-2025
Bachelors in Science	2020-2023

CERTIFICATES

Data Visualization and Dashboards with Excel and Cognos -Coursera

Business Intelligence and data analytics:Generate Insights -Coursera

Python3 Programming- Coursera