KHUSHI YADAV

CONTACT

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PROJECTS

1. Rainfall Prediction

Developed a predictive model to forecast daily/weekly rainfall using historical weather data. Applied time-series analysis and regression models (LSTM, Random Forest, ARIMA) to capture patterns in temperature, humidity, and pressure. Built a Python-based pipeline with data preprocessing, feature engineering, and model evaluation to achieve accurate rainfall predictions.

2.Breast Cancer Classification

Built a binary classification model to predict the presence of breast cancer using patient medical data. Explored and trained models like Logistic Regression, Random Forest, and CNN (for image-based datasets) to achieve high accuracy. Implemented data preprocessing, feature selection, and performance metrics (accuracy, ROC-AUC, F1-score) for reliable predictions..

3. Autism Spectrum Disorder Prediction

Developed a machine learning model to predict the likelihood of Autism Spectrum Disorder (ASD) in children using behavioral and demographic datasets. Applied feature engineering, correlation analysis, and classification algorithms (Random Forest, XGBoost, SVM) to identify key predictors. Evaluated model performance with cross-validation and accuracy metrics, enabling early identification support.

EDUCATION

Bachelor of Computer Applications

University of Allahabad | 2023 - 2026

Senior Secondary School

Kendriya Vidyalaya no 1 ,Patiala punjab | 2021-2023

TECHNICAL SKILLS

Models/Algorithms: LSTM (Time-Series), Random Forest, ARIMA, Logistic Regression, CNN, XGBoost, SVM

Tools/Libraries: Python, Pandas, NumPy, Scikit-learn, TensorFlow/Keras, Matplotlib/Seaborn

Tools & Technologies: Git, VS Code

Database Management: MySQL

Productivity Tools: Microsoft Word, Excel, PowerPoint

Design Tools: Figma, Canva

Languages: Python, Java, JavaScript, HTML, CSS,