SAJAGATA OJHA

DATA SCIENTIST | AI AND ML ENTHUSIAST

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ABOUT ME

A computer science graduating and aspiring data scientist with a strong foundation in statistics, machine learning, generative AI and data analysis. Skilled in Python, SQL, and data visualization tools such as Tableau and Matplotlib. Passionate about uncovering insights from data and applying analytical thinking to solve real-world problems. Eager to contribute to impactful projects and gain hands-on experience in a collaborative, data-driven environment.

WORK EXPERIENCE (PROJECTS)

Customer churn prediction

Developed a machine learning model using logistic regression and random forests to predict customer churn with 87% accuracy. Performed data cleaning, feature engineering, and exploratory data analysis on a telecom customer dataset. Trained and evaluated multiple classification models including Logistic Regression, Random Forest, and XGBoost. Visualized insights using Matplotlib and Seaborn; presented actionable recommendations to reduce churn.

Exploratory data analysis

Exploratory Data Analysis on Chronic Illness
Performed in-depth exploratory data analysis on a healthcare dataset to uncover trends and risk factors associated with chronic illnesses. Cleaned and preprocessed data using Pandas and NumPy; handled missing values and standardized features. Visualized patterns using Matplotlib, Plotly and Seaborn to explore relationships between demographics, lifestyle factors, and chronic conditions.

Sentiment Analysis on social media post's comments

Built a sentiment analysis pipeline to classify user comments from social media posts as positive, negative, or neutral. Collected and preprocessed text data using NLP techniques: tokenization, stopword removal, stemming, and CountVectorization. Trained and evaluated multiple models (e.g., Logistic Regression, SVM, Naive Bayes, BERT) to optimize classification performance. Achieved 85% accuracy and improved model using hyperparameter tuning and cross-validation.

EDUCATION

KENDRIYA VIDYALAYA IIT KANPUR , UP   2020-2021
Completed my higher secondary education

IKG PUNJAB TECHNICAL UNIVERSITY   2022-2026
Pursuing Bachelor of Technology in Computer Science

SKILL

- Machine Learning
- Generative AI
- SQL, MongoDB, Django
- Power BI
- Web development
- Deep Learning