RANDEEP BATHAM

DATA SCIENTIST

CONTACT

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https://randeepbatham.github.io/

SKILLS

Programming Language :

- Python
- SQL
- C++

Data Science & Analytics :

- Data Manipulation
- Data Cleaning
- Data Analysis
- Data Mining
- Quantitative & Qualitative Analytics
- Feature Engineering
- Model Evaluation
- Data Visualization

Machine Learning :

- Supervised Learning
- Unsupervised Learning
- Regression Models
- Tree Based Models
- Ensemble Models
- Clustering
- Feature Selection

PROFILE

I'm Data Scientist with a strong foundation in data analysis, machine learning, and deep learning. I'm skilled at solving business problems and extracting meaningful insights from raw data through data mining, visualization, and advanced model evaluation techniques. Experienced in creating Power BI dashboards to enhance business understanding. Excited to apply skills in real-world projects and internships to contribute to business growth.

WORK EXPERIENCE

House Price Prediction Model - Regression

Ames Housing dataset on Kaggle

- Developed a regression model on Kaggle to predict house prices, leveraging Python, pandas, Scikit-learn, Functions for data cleaning and Feature Engineering and preprocessing.
- Applied XGBoost and many more Algorithms and feature selection methods, achieving 89.72% accuracy without hyperparameter tuning.
- Enhanced model performance to 94.89% accuracy by implementing hyperparameter tuning, optimizing predictions.

Alzheimer's Disease Model - Classification

Alzheimer's Disease Data on Kaggle

- Developed a machine learning model on Kaggle to classify Alzheimer's Disease, utilizing Python, pandas, and feature engineering for data preparation.
- Implemented feature selection techniques and trained the model using Scikit-learn, XGBoost to enhance prediction performance.
- Achieved 94.42% accuracy on the testing dataset, validating the model's effectiveness in identifying Alzheimer's cases.

Image Classification - Classification

- Developed a binary classification model (happy & sad) using CNN architecture, leveraging TensorFlow and Keras for implementation.
- Created a pipeline to load data directly from directories into the working environment, streamlining the training process.
- Set up a virtual environment using CMD commands to manage dependencies, utilizing Python, pandas, numpy, and deep learning frameworks.

Deep Learning :

- Artificial Neural Network (ANN)
- Convolutional Neural Network (CNN)
- Recurrent Neural Network (RNN)
- LSTMs
- GRUs

Visualization Tools & Libraries:

- Power BI
- Tableau
- Matplotlib
- Seaborn
- Plotly

Visualization Tools & Libraries:

- Pandas
- Numpy
- Scikit-learn
- Tensorflow
- Keras
- OpenCV

Computer Proficiency

- MS Word
- MS Excel
- Power Point
- Power Bi
- Postgresql

PERSONAL INFO

- Date of Birth : 17/12/2003
- Gender : Male
- Marital Status : Unmarried
- Father's Name : Mr. Narayan Das Batham
- Mother's Name : Mrs. Chhaya Batham
- Nationality : Indian(Bhartiya)
- Place of Birth : Bhopal (MP)
- Language : Hindi and English

Movie Recommendation System- Content Based

- Content-Based Model Development: Built a movie recommendation system leveraging CountVectorizer for text vectorization and cosine similarity to compute recommendations based on user preferences.
- Data Cleaning and Preprocessing: Performed comprehensive data cleaning to ensure high-quality input for model training, optimizing the recommendation accuracy.
- Interactive Frontend Design: Developed an intuitive and user-friendly interface using Streamlit, enabling seamless interaction and personalized movie suggestions.

Power BI Dashboard – ATM Transaction Analysis

- Developed a dynamic Power BI dashboard to analyze ATM transactions, showcasing key metrics like Total Cost, Gross Profit Margin, and Average Up Time through interactive visuals.
- Performed cost and revenue analysis by visualizing ATM maintenance costs (CRA, AMC, etc.) and regional revenue contributions across multiple states.
- Implemented trend analysis and filtering features to identify transaction patterns over time, enabling data-driven decision-making for stakeholders.

EDUCATION

Bachelor of Computer Application 2022 - 2025
LNCT UNIVERSITY

Higher Secondary 2022
The Katara Hills Hr. Sec. School
MP Board

High School 2020
Brilliant Convent Hr. Sec. School
MP Board