Krish Chaudhary

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Technical Skills

Programming Languages & Databases: Python, SQL, MySQL, C, Java
Data Analysis & Machine Learning: Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib
NLP & Deep Learning: NLTK, SpaCy, Transformers, TensorFlow, Keras
Data Analysis Tools: Tableau, Power BI, Excel, Google Sheets, IBM Cognos
Development Environments: Git, VS Code, Spyder, PyCharm, Anaconda, Jupyter Notebook, Eclipse
Database Management Systems (DBMS): MySQL, Oracle DB
Soft Skills: Analytical Thinking, Problem-Solving, Communication, Team Collaboration
Other Skills: Advanced Excel, Business Analysis, Data Analysis, Customer Acquisition
Certification: IBM Data Analyst Certificate, Multidimensional data Modeling, Accenture Job Simulation

Experience-Projects

INeuron : Crop Production Analysis   **June 2024 – Jul 2024**
Data Analyst   *Bengaluru, India*
Key Agricultural Trends in India:

- Analysed crop production across 646 districts, cleaning 1.5M+ data points with Python to identify top crops like sugarcane, rice, and wheat.
- Used Power BI for validation and visualization, pinpointing Uttar Pradesh as the leader in sugarcane and wheat production, alongside regional and seasonal trends.
- Created reports on cultivation practices and post-2010 yield declines, offering insights to optimize yields, with sugarcane, potato, and coconut leading.

Projects-Awards & Achievements

Accenture North America

Data Analytics and Visualization Job Simulation on Forage   Power BI | Data Modelling | Cleaning

- Audited Social Buzz's big data, analysing 100,000+ daily posts across 16 content categories to pinpoint the top 5 driving engagement, with 'Healthy Eating' leading.
- Applied data cleaning and advanced analytics to uncover insights, noting 'Animal' and 'Science' posts amassed 1,897+ reactions, guiding IPO strategy.
- Recommended content strategies like partnering with health brands to boost engagement and support real-time, data-driven decisions for large-scale growth.

Digit Recognition Web App | Web App   Convolutional Neural Network (CNN) | Deep Learning | Flask

- Developed a digit recognition web app using a CNN trained on the MNIST dataset, achieving 99.31% test accuracy.
- Implemented image preprocessing (grayscale, normalization, digit detection) for clean input and real-time predictions via Flask API.
- Integrated advanced training optimizations (EarlyStopping, ReduceLROnPlateau) for efficient model performance and deployment.

Loan Status Prediction Web App | Web App | API   CatBoost | Machine Learning | Flask | RESTful API

- Developed a web app and API for loan status prediction using **CatBoostClassifier**, ensuring efficient handling of categorical data.
- Addressed class imbalance with **SMOTENC**, applied **MinMaxScaler** & **OneHotEncoder**, and optimized hyperparameters via **RandomizedSearchCV**.
- Integrated Flask for deployment, achieving **85% accuracy**, with an **ROC AUC score of 0.887**, enhancing accessibility and efficiency in loan prediction.

Education

Parul University   **June 2023 – Present**
B.Tech Computer science engineering – Artificial intelligence   *Vadodara, Gujarat*
Jawahar Navodaya Vidyalaya Mehsana   **June 2022 – Mar2023**
Higher secondary   *Mehsana, Gujarat*