Data Science

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Skills

- MySql
- Python
- Java script
- Docker

- Excel
- Power BI
- Tableau
- HTML / CSS

- Mongo DB
- Chat gpt
- React.js
- LLMS

Projects

Sentiment Analysis – RNN

- Developed a sentiment analysis model using RNN to analyze and classify the sentiment of textual data.
- Implemented **LSTM**, **Simple RNN**, **CNN** and **Bidirectional LSTM** models for NLP task.
- Utilized **Python** & **TensorFlow** for Building RNN architectures.
- Conducted performance analysis to understand strengths and limitations of each variant.

Recommender System

- Implemented user-based collaborative filtering techniques to identify similar users based on their preferences.
- Utilized **cosine similarity** from **scikit-learn** to measure the likeness between user profiles.
- Generated personalized recommendations by aggregating preferences from similar users.
- Acquired and processed user-item interaction data to build a comprehensive dataset.

Object Detection - YOLOv8

- Developed an object detection system using a **YOLOv8** pertained model to count vehicles from a video.
- Implemented the **YOLOv8** architecture for real-time object detection.
- Utilized **OpenCV** and **cvzone** libraries to process and analyze video data.
- Implemented **vehicle counting** and enhanced visuals little bit.
- Implemented a controlled detection mechanism to target specific regions and added mask layers for object recognition.

Rice Classification Project – VGG16

- Applied data manipulation using **Tensorflow** and **Keras** libraries to clean and preprocess raw data.
- Build a Convolutional Neural Network (CNN) for classifying Rice Classification.
- Performed Data augmentation for reduce overfitting.
- Build **VGG16** model from Scratch.

Customer Churn Prediction- ANN

- Developed a Customer Churn Prediction model using **TensorFlow**, **Keras**, and **scikit-learn**, aimed at helping businesses identify and retain at-risk customers.
- Demonstrated proficiency in deep learning by creating a sophisticated churn prediction model.
- Implemented robust data preprocessing techniques and feature engineering to optimize the model's predictive accuracy.

Price Prediction – Regression Model

- In this project I build regression Model to predict Home Price prediction using **sklearn**.
- Saved in **pickle** format for deploying.
- For deployment write **flask** server using **pycharm** ide.
- User interface build with the help of **html** and **css**
- For Testing purpose I used **postman**.
  In this project I learned feature selection, scaling, testing using cross validation and grid search cross validation Tried multiple models for find best result.

Work Experience

ACCOUNTANT – New Taiba Pharmacy **–** Seeb, Oman   April 2024 – Till know
- Verification on invoices with GRN.
- Record Physical stock.
- Tracking Unsettled invoices of suppliers.
- Checking Expiry Date of Medicines.

ACCOUNTANT – Blueberry's Marketing and Services **–** Kerala, India   May 2022 - May 2023
- Researching and analyzing sales data and finding insights and visualize them.
- Data collection from Amazon, Flipkart, Meesho, Jiomart, Moglix and Woocommerce sites.
- Perform ETL process and prepare clean data for analysis and Automate reports using power query.
- Reconcile Online orders, returns and revenue between accounting systems and E-commerce platforms.

ACCOUNTANT – Popular Mega Motors India Pvt Ltd – Kerala, India   Jul 2019 - Aug 2020
- Maintained accurate and up-to-date records of all accounting transactions.
- Reconcile Bank account, GSTR 2B, Debtors and Creditors.
- Monitor accounts payable and accounts receivable.
- Co-ordinated internal and External auditors for proper accounting and documentation of tax credit and statutory transactions.
- Insurance Claims reconciliation.

ACCOUNTANT – Hayath Multi-Specialty Hospital **–** Kerala, India   May 2017 - May 2019
- Processing of payroll which included calculating salaries and statutory deductions.
- Prepare VAT report for monthly filing.
- Record Purchase invoices.
- Debtors, Creditors and Bank Ledger Reconciliation.
- Petty Cash handling.

Education

MASTER OF BUSINESS ADMINISTRATION– Bharathiar University – Tamil Nadu, India   Jan 2021
Majors: Human Resource Management

BACHELOR OF COMMERCE–University of Calicut – Kerala, India   Apr 2016
Majors: Finance