Hans Raj

Linkedin: http://www.linkedin.com/in/hans-raj-0b3787252   Email: hansrajjani2006@gmail.com
Github: https://github.com/hansubhai2006   Mobile: +91 9799402911

SKILLS

Languages:	C++, Java
Tools/Platforms:	TensorFlow, Google Colab, Jupyter Notebook
Soft Skills:	Problem-Solving, Team Player

PROJECTS

Exploring Neural Machine Translation with Attention Mechanisms   Mar 2024 -- Apr 2024
- Compared traditional seq2seq models with attention-based NMT.
- Utilized TensorFlow/PyTorch for model training and NLTK/SpaCy for text preprocessing.
- Leveraged OpenNMT/Fairseq frameworks to enhance translation accuracy.
- Evaluated performance using BLEU Score for quality assessment.
- **Tech:** Python, ML Predictive Analysis

Beijing Multi-Site Air Quality Project   Aug 2024 – Oct 2024
- Analyzed air quality data from multiple monitoring stations in Beijing to identify pollution trends.
- Harnessed Python and Pandas for efficient data preprocessing and visualization.
- Used Scikit-learn to develop ML models for pollution prediction and forecasting.
- Employed Matplotlib and Seaborn to create insightful graphical representations of air quality variations.
- **Tech:** Python, ML Predictive Analysis

Customer Segmentation   Sep 2024 – Nov 2024
- Implemented customer segmentation techniques to classify users based on purchasing behavior and demographics.
- Utilized Python and Pandas for data preprocessing and feature engineering.
- Applied K-Means clustering, DBSC, and Hierarchical Clustering using Scikit-learn for effective segmentation.
- Visualized customer clusters using Matplotlib and Seaborn with scatter plots, pair plots, and heatmaps.
- Employed Principal Component Analysis (PCA) to reduce dimensionality for better visualization.
- **Tech:** Python, ML Predictive Analysis

CERTIFICATES

- Complete Interview Preparation - Self-Paced(C++) | GFG.   May 2024
- Python | HackerRank   Mar 2023
- Cpp | HackerRank   Mar 2023
- The World of Computer Networking by Bogdan Stashchuk | Udemy   Nov 2023

ACHIEVEMENTS

Hackathon

- Smart India Hackathon || In this hackathon around 4 to 5 lakh students were participated.   Aug 2024
- Web –A –Thon || In this hackathon around 2 to 3 hundred students were participated.   Sep 2024

EDUCATION

Lovely Professional University   Phagwara, Punjab
Bachelor of Technology   Aug 2022 – Present
Computer Science and Engineering; CGPA: 6.5

Parshv International School   Jodhpur ,Rajasthan
Intermediate   Mar 2021 – May 2022
PCM; Percentage: 69

Vikram Secondary School   Jodhpur ,Rajasthan
Matriculation   Mar 2019 – May 2020
Percentage: 85%