

Harrison Paul

| +91 9791142356; harrisonbe99@gmail.com | www.linkedin.com/in/harrisonpaulr

“Numbers whisperer, turning data chaos into strategic clarity”

ABOUT:

- In my current role as a Backend Developer, I have honed my programming skills in Java but now eager to make a transition into a full-time **Data Scientist** role, so out of my interest started learning and now have a solid foundation in **statistics, machine learning, deep learning and data analysis**, complemented by a proactive approach to staying abreast of the latest industry trends
- Results-driven Data Scientist with a robust background in leveraging advanced analytics and machine learning to extract meaningful insights and drive data-driven decision-making..

SKILLS

Programming Languages: *Python, SQL, Java, HTML, CSS*

Libraries & Tools: *Pandas, Numpy, Matplotlib, Scipy, Sckitlearn, TensorFlow, Keras, NLTK, Flask, beautiful soup, GIT, Github*

Data Wrangling: *Data generation, Data Extraction, Data Cleaning, Exploratory Data Analysis, Feature Engineering, Feature selection, Data visualization*

ML Skills: *Regression, Clustering & Classification, Quantitative Analysis, Data Modeling, Predictive Modeling, Statistical Modeling, Model Validation, Model deployment, Deep Learning, NLP*

PROJECTS

Movie Recommendation

- Built a **machine learning model(NLP)** to recommend a similar kind of movie based on the movie the user has interest or already watched. Data credits : TMDB movie dataset
- **Steps Involved** : Data loading, Data Cleaning, Feature engineering, model building, vectorization, stemming , cosine similarity and built UI using streamlit

Real Estate House Price Prediction

- Built a **machine learning regression model** to predict the real estate price of houses in Bangalore city using LinearRegression. Data credits : Kaggle - Bengaluru House price data
- Steps Involved : Data loading, Data Cleaning, Feature engineering, Outlier detection and removal, Dimensionality reduction, model building, gridsearchcv for hyperparameter tuning, K fold cross validation, writing flask server

Intelligent Personal Assistant for Task Management

- Contributing to an **open source project** hosted by Omdena - a non profitable NGO
- User enters their task as a text or voice and the large language model takes user's text or voice as input
- The **LLM** then uses this input to control the functionality of a python automation framework, then the automation framework will access the user's profile and make changes based on the user's case.

CERTIFICATIONS

Python - HackerRank, **SQL** - Hackerrank

Supervised Machine Learning: Regression and Classification - Deeplearning.AI & Stanford University

Advanced Learning Algorithms - Deeplearning.AI & Stanford University

Unsupervised Learning, Recommenders, Reinforcement Learning - Deeplearning.AI & Stanford University

BUSINESS EXPERIENCE

TATA CONSULTANCY SERVICES.

(I) Backend Developer - Java

May 2021 – Present

- Developed robust Java solutions integrating efficient data structures, multithreading, and exception handling; increased system stability, resulting in a 50% reduction in application crashes and improved user experience.
- Architected and implemented Java code utilizing advanced data structures, multithreading techniques, and exception handling; optimized performance and reduced runtime by 40% for critical data processing tasks.
- Implemented robust exception handling mechanisms to ensure code stability, resulting in a 70% decrease in application crashes and improved overall user experience.
- Translated technical concepts and information into terms parties could easily comprehend