Piyush Dewangan

Software Engineer

An enthusiastic Data Science professional with an experience of more than a year, a computer science graduate with strong mathematical background. An excellent communicator with strong analytical and problem solving skills, having sound knowledge of Machine Learning, Deep Learning, Natural Language Processing techniques and Big Data technologies.

✉ piyushdewangan54@gmail.com

📍 Pune

in linkedin.com/in/piyush54

▯ +91 9406366589

▱ hackerrank.com/piyushdewangan54

○ github.com/piyushdewangan54

WORK EXPERIENCE

Software Engineer
Xoriant Solutions, Pune

08/2021 - Present

Tasks

- Designed a retail recommendation system using Popularity, Collaborative and Content-based filtering techniques
- Performed in-depth analysis using statistical techniques and created various visualizations using Matplotlib, Seaborn, Plotly libraries in Python
- Automated the uplift calculation process which helped in finding target customers for advertising campaigns and increased revenue
- Built several ML models and fetched the key drivers which resulted in the growth of customer conversion by 7%

PERSONAL PROJECTS

Response based Chatbot (12/2021)
- Answers the input question asked from provided PDF file by creating chunks of paragraphs using NLTK and Spacy libraries
- Implemented different vectorization techniques like TF-IDF, Word2Vec and Count-vectorizer with cosine similarity which helps to get improved output accuracy
- Worked on Microsoft Azure Cognitive Service(LUIS & QnA Maker) to enrich bot conversation

News Recommendation System (06/2022)
- Created a hybrid recommendation system consisting of Collaborative and Content-based techniques
- Calculated item-item based collaborative filtering scores using Jaccards similarity to get proper recommendations
- Used Mean-Average-Precision(MAP) for calculating the accuracy and comparison of recommendations
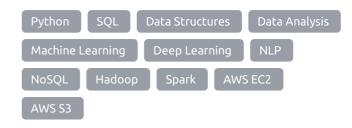
EDUCATION

PG Diploma in Big Data Analytics
CDAC: Centre for Development of Advanced Computing, Khargarh(Mumbai)

09/2022 - Present

BTech in Computer Science and Engineering
Shri Shankaracharya group of institution, Bhilai

2017 - 2021   *78%*

SKILLS

Python   SQL   Data Structures   Data Analysis

Machine Learning   Deep Learning   NLP

NoSQL   Hadoop   Spark   AWS EC2

AWS S3

CERTIFICATES

Microsoft Certified: Azure Data Scientist Associate (10/2022) ⧉

Deep Learning: Advanced Natural Language Processing (12/2021) ⧉

Complete Tensorflow 2 and Keras Deep Learning Bootcamp (10/2021) ⧉

TECHNOLOGIES USED

Programming Languages: Python, C
Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikit-Learn, Keras, NLTK, Spacy, Streamlit, Django

Tools/ IDE/ OS
Jupyter Notebook, Google Colab, PyCharm, Linux(UBUNTU)

Machine Learning
Regression and Classification models, clustering model(K-means), Ensemble techniques, Feature Engineering, Feature Importance, Hyperparameter tuning

Deep Learning
Artificial Neural Network, Recurrent Neural Network

Big Data
Hadoop(HDFS, Map-Reduce, Hive, HBase), Spark,

Databases
MySQL, MongoDB, Cassandra, Redis

ACHIEVEMENTS

Spot Award by Xoriant (09/2022) ⧉
Awarded for being an absolute team player and working independently with a holistic approach towards projects