

Hemant Choudhari

Junior Data Scientist

A Junior Data Scientist Professional with 3+ Years of experience in executing data driven proposals & analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problem.



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Pune, India

WORK EXPERIENCE

Junior Data Scientist DAZEWORKS

- Prof. Experience (3+ Yrs)
- March 2021 – Present

PROJECTS

Equipment Failure Predictive Maintenance Model (ML)

- To predict the customer who will purchase premium version app subscription or not. Then company will decide from customer behavior to which customers they need give offer and increase their sell.
Machine learning algorithms. like Logistic Regression, SVM, XG Boost and Random forest.
- Roles and Responsibilities:**
- To carryout preprocessing, cleaning of data and to verify integrity of data..
- To visualize and analyze data with data visualization with various python libraries to get insights of available data.

Project Name : Deep Learning Based Steel Surface Defect Detection And Classification

- Developed a deep learning system using CNN, ResNet50, and faster R-CNN to detect and classify defects in steel surfaces accurately. Employed pre-trained models and advanced techniques like data augmentation to enhance accuracy and performance, enabling efficient quality control in manufacturing.
- Roles and Responsibilities:**
- Conducted data analysis using convolution layers and Relu activation functions to generate feature maps. Utilized deep learning techniques, including CNNs and pre-trained models like ResNet50, to develop accurate defect detection systems for steel surfaces, enhancing manufacturing quality control.

Project Name : Hotel Review Sentiment Analysis (NLP)

- Involves Text-Pre-processing, Dynamic Language modelling, Natural Language Processing. A statistical model is built to classify different reviews into positive and negative sentiments. Support Vector Machine, Naïve Bayes classifiers were used to classify the sentiments..
- Roles and Responsibilities:**
- To carry out Text Wrangling & processing like Tokenize, normalize, removing stop words, Lemmatization, stemming etc. To perform Word Embedding using Count vectorizer, TF-IDF as well as Word2Vec .

SKILLS

Python

Numpy

Pandas

Machine Learning

Deep Learning

MySQL

ANN

CNN

NLP

RNN

LSTM

GRU

Encoder Decoder

EDA

Attention Mechanism

Transformers

VectorDB

Flask Web Frame Work

Regression

classification

Decision Tree

Random Forest

Ada Boost

K Means Clustering

EXPERTIZE

Languages & Libraries :

Python, Pandas, NumPy, Regex, SKlearn, Matplotlib, Seaborn

Databases: MySQL, MongoDB, VectorDB

Algorithms:

Linear & Logistic Regression, Naive Bayes, K-NN, K-Means, SVM, PCA, Decision Tree, Random Forest, Ada Boost, XG-Boost.

NLP: Count Vectorizer, TF-IDF Vectorizer, Word2Vec, NLTK, LSTM RNN, GRU, Encoder-Decoder, Attention Mechanism, Transformers

Deep Learning: Perceptron, Neural Network, Optimizers
Activation Functions, ANN, CNN, Transfer Learning.

Systems: Windows, Linux, Jupyter Notebook, VS Code

EDUCATION

BE | Nagpur | 2020 | CGPA - 8.56

DIPLOMA | MSBTE | 2017 | 80.56%

SSC | Science | 2014 | 87.40%