

Rushikesh Darge

Data Scientist

My experience includes project work, internships, and freelance work. from data collection to deployment, as well as hands-on experience leveraging deep learning and machine learning models for solving business challenges.

Contacts

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Skills

Python

SQL

Machine Learning

Deep Learning

Google Cloud Platform

Data Pre-processing

Data visualisation

Data Analysis

Predictive modelling

Natural Language Processing

Computer Vision

Model Building

Pipeline Building

Flask API

Data Mining

Web scraping

HTML5

JavaScript

Excel

Tools

Keras, Pandas, TensorFlow, Numpy,
Scikit-learn, Matplotlib, Tableau , PowerBI

Education & Learning

Applied Machine Learning

Specilization course on Machine Learning, Deep learning
July 2022

Bachelor's of Engineering

Information Technology at Mumbai University 7.03 CGPA
June 2021

Work Experience

Data Scientist – BarRaiser

Aug 2022 – Present (5+ Month) Intern

- Creating auto-chapters from interview transcripts and extracting questions based on topics of chapters.
- Clean interview transcript using NLP preprocessing so they can be used for BERT embedding, building models.
- Implemented whole pipeline from transcript to result on dashboard and deployed to live server on AWS
- As a result of this new pipeline, efficiency has improved and the cost has been reduced by 50%.

Data Scientist – AxiOm Automation

Feb 2021 – May 2021 (4 Month) Internship

- AxiOM is creating smart solutions for human intensive work using AI to make it automated.
- Built a custom CNN model and trained it from scratch with collected image datasets from the assembly line.
- Deploying model on assembly line, decrease human error and boost business productivity & increases profits
- Also create a websites using HTML, CSS and JavaScript.

Projects

English to Hindi Translator – Attention Model

Mar 2022 – Apr 2022

- Hindi is a very rich and complex language, unlike English, and to identify these patterns, ML algorithms struggle.
- Utilize a new technology in the NLP field, Attention Mechanism, to build an English-to-Hindi translator ([blog](#)).
- A 25% BLEU score increase is obtained when comparing the new attention models with the seq-seq models.

Semantic Image Segmentation – Unet Architecture

May 2022 – Jun 2022

- Utilize OpenCV to prepare data that meets the requirements of the UNET architecture.
- Build architecture from scratch using TensorFlow and train IDD to segment 21 classes using U-Net's research paper.
- In order to improve performance, model layers and parameters are modified based on the data.

Quora Question Pair Similarity

Nov 2021 – Dec 2021

- On Quora, many people ask similarly worded questions. That can take more time to find the best answer.
- Applying the NLP technique, BERT embedding gives the best result on question similarity.
- Using our model, Quora can decrease the redundancy of questions and increase the quality of answers as well.