RANJIT SINGH

smartengineer0786@gmail.com +91 9759194985 hathras up India https://github.com/Ranjit-Singh-786
https://www.linkedin.com/in/ranjit-singh-423a051a6 https://portfoliowebsite-production-cbc5.up.railway.app/

PROFILE

More than 1 year of hands on experience in Data Science. i am Expertise in Python, SQL Mongodb, AWS, Machine Learning , Deep Learning , NLP, predictive Modeling, algorithms. and always curious to Learn New skills and technologies.
Seeking a challenging career with a progressive organization that provide an opportunity to utilize my technical skills & abilities in the field of Data Science.

SKILLS

- Python
- Java
- SQL
- Mongodb
- Statistics
- Data Science
- Machine learning
- Deep learning
- Computer Vision
- Project management
- ANN , RNN , CNN
- NLP
- LSTM , GRU
- BERT
- TRANSFORMER
- numpy , pandas
- Tensorflow
- NLTK
- Scikit-learn
- Keras
- PySpark
- Opencv
- Databricks
- HTML
- CSS
- Web Scraping
- Flask
- REST API
- power-Bi
- MS-Excel
- AWS
- Mlops
- Docker
- Kubernetes
- CI/CD
- Git - Github

EDUCATION

Bachelor of Engineering in computer science Engineering
Institute of Engineering and Technlogy Agra
2020 - 2023 CGPA - 7.0

Diploma in Computer science Engineering
MG Polytechnic Hathras Up.
2017 - 2020 CGPA - 6.9

CERTIFICATE

Full Stack Data Science
ineuron.ai Bangalore
May 2022 - Jun 2023

Python with Data Science
GreatLearning
Sept 2021 - Oct 2021

SQL
Cognitiveclass.ai
Nov 2021 - Jan 2022

PROFESSIONAL EXPERIENCE

Data Scientist intern *May 2022 - March 2023*
Ineuron.ai Intelligence Pvt. Ltd. Bangalore.

- implemented ML algorithms of supervised (Classification, Regression), unsupervised (Clustering , Dimension Reduction , Association).
- Developed Neural network based models and algorithms e.g (ANN , CNN , RNN).
- Developed Training and Data Pipeline , Testing and debugging code of pipeline and project , building Dashboard using Power Bi and monitoring The model.
- Deployed the applications on AWS , Azure , Heroku utilizing CI/CD pipeline.

Data Science internship *March 2022 - April 2022*
softpro india computer technologies Pvt. ltd. Lucknow. *Github link*

- implemented Old Bike Price Prediction web application with **98%** accuracy. which can predict the Price of old bike. on the bases of different factor of old bike like kilometers_driven, Bike_age, Bike_power, Bike_brand Bike_condition.
- Designed Training pipeline, & ETL Data Pipeline using python Object oriented concepts.
- Deployed the web application on AWS, using EC2 , ECR , S3 ,Docker , Github.
- **Tech stack :-** Python | Numpy | Pandas | ML | Flask |sql| CI/CD | AWS | Mlops |Git.

PERSONAL PROJECTS

1. Insurance Premium Prediction - ML *Github link*

- The final model will be pushed into the S3 bucket. When the new model is Trained the EC2 instance will compare the default model(which is already in S3) with newly trained model. If the new model performs better than the Previous one, it will be pushed into S3 and also in production. i Used Oops programming for developing This project. All the logs file are stored In MongoDB database for reference.Use source version control tool to implement CI/CD pipeline.

3. Book Recommendation System - ML *Github link*

- In This project i built a website of Book store along with machine learning **Recommendation System**. To suggest the Books To the user. which will be suggests the similar books according to the user interest. and Designed user friendly website GUI. and website deployed on AWS using ci/cd pipeline.
- **Tech stack :-** python | Numpy | Pandas | Seaborn | Matplotlib | ML | Flask | Git | SQL | HTML | CSS | Bootstrap | AWS | EC2 | S3 | ECR | IAM | Docker

2. Text Suggestion Prototype - NLP *Github link*

- i developed a **NLP Text suggestion** prototype of the project, to autocomplete the text whenever user will write something on a specific topic. **successfully** Tested on Chrome search bar data. to autocomplete the searching text.
- i used Oop python to build the training pipeline. and Trained NLP **BERT** model.
- Training Data will pass through the training pipeline, and all the operation of this project will be performed one by one and finally training pipeline will build a model and entire execution report of pipeline will be saved into **AWS S3 Bucket** as a logs.
- **Tech stack :-** Oop Python | NLTK | LSTM | |GRU | Word Embedding | Text Preprocessing | Tensorflow | | Keras | RE | Tokenization | Lemmatization | CI/CD |

4. Chat pattern recognizing - NLP *Github link*

- chatting is a second alternative way of communicating to the person but due to lack of facial impressions, some time we can not judge feelings of person by the chat message. so i trained a nlp **BERT** model which can recognize the feelings of person by the pettern matching of text message with **88% accuracy**. and my model is able to recognize the text pattern of joy,sadness ,love ,anger, happy. also i am trying to include the functionality of recognizing the fraud chat messages.

5. Reverse Image Search - CV *Github link*

- i built a web app in which user can search the Desired item of image by putting their image. Then my CNN & ML models will find out The 5 similar images from my Database. which i prepared for this project. in which i collected 45k images of different class of fashion collection items. To complete this task first CNN model will extract the features from the input image. then ML model will find the similar images based on the features. which extracted by CNN model. and all image stored in S3 bucket.
- **Tech stack :-** Python | ML | CNN | ResNet50 | NearestNeighbour | Tensorflow | OpenCV | image processing |ML | DL | CNN | AWS | S3 | EC2 | CI/CD | Docker.

LANGUAGES

Hindi **English**