RANJIT SINGH

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Ranjit Singh Ranjit-Singh Website Hathras Up India 281307.

PROFILE

Experienced Data Scientist with 1+ year of hands-on expertise in Python, SQL, MongoDB, AWS, Machine Learning, Deep Learning, NLP, and predictive modeling. Eager to learn new skills and technologies. Seeking a challenging role in Data Science to apply technical abilities and contribute to a progressive organization.

SKILLS

- Python
- Java
- SQL
- MongoDb
- Statistics
- Data Science
- Machine Learning
- Deep Learning
- Computer Vision
- ANN , RNN , CNN
- NLP
- LSTM , GRU
- BERT
- Transformer
- Numpy
- Pandas
- Tensorflow
- NLTK
- Scikit-Learn
- Keras
- Pyspark
- Opencv
- Databricks
- HTML
- CSS
- Web Scraping
- Flask
- Fast 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

PROFESSIONAL EXPERIENCE

Data Scientist intern

May 2022 - March 2023

Ineuron.ai Intelligence Pvt. Ltd. Bangalore.

- Implemented supervised and unsupervised ML algorithms.
- Developed neural network models e.g ANN, CNN, RNN.
- Created data pipelines, tested and debugged code, built power bi dashboards , performed statistical analysis, developed data driven web application and data transfer API.
- Deployed applications on AWS and Heroku using CI/CD pipelines.

Data Science internship

March 2022 - April 2022

Softpro India Computer Technologies Pvt. Ltd. Lucknow. *Github link*

- Implemented a highly accurate Old Bike Price Prediction web application, achieving 98% accuracy. The application predicts the price of used bikes based on factors such as kilometers driven, bike age, bike power, bike brand, and bike condition.
- Deployed the web application on AWS using EC2, ECR, S3, Docker.

PERSONAL PROJECTS

1. Insurance premium prediction - ML

Github link

- I implemented an insurance premium price prediction web application using machine learning. Deployed it on AWS with CI/CD pipeline. Achieved **97%** model accuracy by **XGBoost**.
- Implemented CI/CD and training pipelines using Python OOP.

2. Book recommendation system - ML

Github link

- I developed a book store website integrated with a machine learning **recommendation system**. The system suggests similar books to users based on their interests. Additionally, I designed a user-friendly website GUI. The website was deployed on AWS.

3. Text Suggestion Prototype - NLP

Github link

- Developed NLP text suggestion prototype for autocomplete text. Successfully tested on Chrome search bar data.
- The training data passes through the training pipeline, with each operation executed sequentially. The training pipeline builds a **LSTM NLP model.** and execution report save as a logs in AWS S3 bucket

4. Chat pattern recognizing - NLP

Github link

- Chatting is an alternative communication method, but without facial impressions, it can be challenging to discern emotions solely from chat messages. To address this, I developed it ,that recognizes feelings with 88% accuracy by matching text patterns. The model can identify emotions such as joy, sadness, love, anger, and happiness. Additionally.

5. Reverse image search - CV

Github link

- I developed a web app where users can search for desired items by uploading their own images. My **CNN** and **ML** models then identify 5 similar images from a database I prepared for this project. The database consists of **45k** images representing various fashion collection items. The process involves the CNN model extracting features from the input image, which are then used by the ML model to find similar images.