

Avi Sharma

Data scientist

Highly motivated and results-driven Data Scientist with over 1 year of experience in the field of Natural Language Processing (NLP), Computer Vision, and Artificial Intelligence (AI). Proficient in utilizing various machine learning techniques and tools to extract valuable insights from large datasets. Strong understanding of cloud platforms such as AWS. Proven ability to communicate complex data analysis in a clear and concise manner to both technical and non-technical audiences.

INDUSTRIAL EXPERIENCE

- **Decimal Point Analytics, Gift city** — Junior Data scientist (Aug 2022)

Responsibilities :

Worked as a NLP specialist in close coordination with business stakeholders to solve complex Data Science problems. Refer to different research papers and try to implement the algorithms and make a proof of concept for a solution provided to the client. Partnered with the Engineering of products and cross functional team to understand business problems and suggest/implement AI solutions.

Robopulse – It is a digital platform which provides automated, algorithm-driven financial planning services with no human supervision. It is a dynamic tool, recommending Individual and Institutional investors with sophisticated and customized investment portfolios to achieve a set target amount. This algorithm renders precise, quick and inexpensive investment recommendations across the asset classes, risk profiles, countries, and regions. It also reviews the progress periodically and suggests changes just like a human advisor.

- Used Series forecasting methods like ARIMA, and series Classification to predict market view for the investor.
- Used Machine learning algorithms and Data processing tools to take out the best SIP options for the client.

Shunt(AI-Chatbot) - A NLP based AI chatbot to solve IT related problems and all queries regarding company's policies for various departments and company assets.

- Used S-bert model for context extraction and Q & A domain specific generative model, T5 to generate replies for the given queries.

- **EY (Ernst & Young Global Limited)**

Supply chain management for a big cement player of India. Godown addition program for better and fast supply to the dealers. Used locations for prediction using clustering and Python solver code. Build a mobile app interface between dealers and the partner company for daily updates for a major cement company.

- My responsibility was to build a time series demand forecasting model for the client using different forecasting algorithms after data processing by FBProphet.
- Also used the coordinate of dealers data to find out the potential Hotspots for new godown locations, using SK learn optimizer function and euclidean distance with the help of K++ clustering method.

- **Omdena** — Data scientist

Build Regenerative farming Recommendation solutions advisor with AI Enabling the Prediction for carbon capture that farmers are going to make by implementing the solutions Predicted by the Algorithm.

- Analyze the farms parameters and used Feature engineering with K-prototype clustering algorithm cluster the data used Xgboost regression give the farmers a road map to make the transition to a regenerative farming model.
- Also predict the carbon capture using regression by the farmers who are going to implement regenerative practices.

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GitHub -

BrahmRakshas-ai

SKILLS

Python
OOPS
MYSQL
Machine Learning
Data Visualization
Deep learning
Data Pre-processing
AI
Tensor-Flow
NLP
Pytorch
Computer vision
Transformer
Feature Engineering

Achievements

1) Started GDSC- Google Developer student club for peer to peer learning environment at our university.

2) President of drama society (Kshan), won first prize in mood indigo IIT Bombay) for many Dramas and street plays.

3) 1st place in Swadheentha 2.0 Hackathon – Daiict.

LANGUAGES

English, Hindi

EDUCATION

Nirma University (Ahmedabad)-2022

B.Tech in Electrical Engineering

PROJECTS

- Used u-net for segmentation of original VS fake Id for classification for KYC management.
- Banking data to predict the churning rate for the clients who took loans, Using Supervised ML Models
- Kaggle, Computer vision- Image Search Engine using CNN Using an image as an input for searching various images related to it. Concept of CNN was used. for a given data set Using CNN RESNET- 50.