

Sagar Kumar

Data Scientist

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EXPERIENCE

FRONT ROW | DATA INTERN

March 2022 – May 2022 | India

- Clean and analyse data from multiple files.
- Automate the analysis of daily data on google sheets using python.
- Handle and analyse data on a daily basis to find optimal slots for sessions by particular experts.

PROJECTS

STOCK-PREDICTION USING TWITTER AND HISTORICAL DATA | PYTHON, PYSARK,

BIG DATA, SENTIMENT ANALYSIS

2021, [Code Link](#)

- Stock market prediction is done on the basis of twitter data of a particular company and historical data.
- Live streaming of tweets is feed into to predict latest sentiment and price corresponding to the historical data and twitter sentiment

COMPARATIVE IMAGE CLASSIFICATION USING FCNN AND AUTOENCODERS |

DEEP LEARNING

2022, [Code Link](#)

- A comparative analysis on image data set of two main deep learning algorithms.
- MINST Image data was used for training and testing of Feed Forward Neural Networks and Autoencoders.

DEEPFAKE DETECTION | DEEP LEARNING, CNN

2021, [Code Link](#)

- A CNN model to detect deep fake images trained over 10,000 images with differend state of the art models.
- Achieved Accuracy : 88.7 percent on test data

ALGORITHMIC TRADING USING CNN AND DEEP LEARNING | DEEP LEARNING, CNN,

TECHNICAL INDICATORS, STOCK PRICING

2022, [Code Link](#)

- Converting stock market close data into 14×15 images using 14 different Technical indicators.
- Generating buy sell and hold signals using current close/adj close price of a given stock ticker.
- Achieved Accuracy : 91 percent on test data

CHATBOT | DEEP LEARNING, NLP

2021, [Code Link](#)

- A telegram chat-bot to provide assistance to new batches with general queries
- Database created from scratch to perform NLP operations.

COVID-RESYST | PYTHON, SQLITE3, PYTHON

2021, [Code Link](#)

- A desktop application that provides information of available resources related to Covid Pandemic like Hospital Beds, Blood Donors etc.
- Search parameters can be pin code, or any resource one might need

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, MANDI

BACHELOR'S IN DATA SCIENCE

Jul 2019 - Present | Himachal Pradesh,

India

School of Computing

Cum. GPA: 7.74 / 10.0

KAUTILYA SR. SECONDARY

PCM

May 2017-2019 | Kota, Rajasthan

Percent : 92.2 / 100

SKILLS

PROGRAMMING

Proficient:

C++ • JavaScript • CSS • HTML

Experienced:

Python • SQL

Familiar:

MongoDB • Matlab

LIBRARIES/Frameworks

Node.js • Streamlit • TensorFlow • Anaconda Jupyter

TOOLS/PLATFORMS

Git • GCP • Google Colab

COURSEWORK

UNDERGRADUATE

Database Management

Systems •

Deep Learning and Its

Applications •

Map Reduce and Big Data •

Data Structures and Algorithms

•

Data Handling and Visualization