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Aritra Raut
Data Science Enthusiast

click here for linkedin
click here for github

Data Science enthusiast with a special interest in Natural Language Processing and Computer Vision.

EXPERIENCE

Task Oriented Persuasive Virtual Agent   **February 2022 — July 2022**

Dr. Sriparna Saha. Assistant Professor,Department of Computer Science and Engineering, Indian Institute of Technology Patna

- Making an end-to-end NLG module for the aforementioned agent .
- This project is on a collaboration with **Accenture**.

PROJECTS

Vertebrae Segmentation and labelling(Summer Project)   **July 2021 — January 2022**

Dr. Utpal Garain , Professor , Indian Statistical Institute, Kolkata

- dataset : Verse'19 Verse'20.

Vision Powered Book Cataloguing using YOLOv1 and PyTesseract   **March 2021 — June 2021**

Dr. Sujoy Kumar Biswas (Director and Principal scientist, AIMP Labs; Visiting scientist, ECSU, ISI Kolkata)

- The system identifies books(as many as in the video frames) from short videos and extracts the texts written on it,and stores the details in the database.
- The model has been trained on a **self made dataset** consisting of 500 images extracted from 34 videos .

A tale of Different optimizers on a simple CNN architechture   **October 2021**

Br. Mrinmay (PhD, Pennsynvania State University, USA), Asst. Professor , Department of Computer Science, RKMVERI , Belur

- Used dataset : MedMNIST.
- comparative study of SGD, SGD with Momentum, RMSProp, Adagrad and Adam.

Comparative Time Series Analysis of Financial Datasets   **March 2021**

Dr. Sudipta Das. Ph.D. (Indian Institute of Science, Bengaluru) Assistant Professor,Department of Computer Science,RKMVERI, Belur

- I had Four financial time series datasets- Nifty50 Stock, Gold prices(INR),Silver prices(INR),US Dollar prices (INR).
- Model Used : ARMA+Garch

EDA on Summer Olympics dataset   **July 2021**

Dr. Sudipta Das. Ph.D. (Indian Institute of Science, Bengaluru) Assistant Professor,Department of Computer Science,RKMVERI, Belur

- tools used : R (ggplot), Python(Matplotlib,Seaborn)

EDUCATION

Master of Science, Big Data Analytics, RKMVERI, GPA : 8.77/10.00	**August 2020 — 2022**
Bachelor of Science, Computer Science, RKMRC, CGPA : 8.54/10.00 (Highest of the Batch)	**2017 — 2020**
Higher Secondary, Science stream, WBCHSE, percentage : 83.6	**2017**
Secondary, WBBSE, percentage : 85.4	**2015**

ANALYTICS SKILLS

Machine Learning	**Deep Learning**
Data Engineering	**Data visualization**
Optimization Algorithms	**Data Augmentation**
Computer Vision	**Natural Language Processing**

LANGUAGES & TOOLS

Python	**R**
C	**HTML**
JavaScript	**CSS**
MySQL	**Neo4J**
PySpark	**Java**

ACHIEVEMENTS

- **Topper** of RKMRC, Dept. of Computer science,2017-20