

Currently pursuing M.Sc. in Big Data Analytics from RKMVERI, Belur. Disciplined and dedicated student with 2 major projects and several small projects experiences on computer vision fundamentals.

PROJECTS

Vertebrae Segmentation and labelling July 2021 — Present

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 architecture October 2021

Br. Mrinmay (PhD, Pennsylvania 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)

Comparative study of different Image Steganographic approaches Nov 2018 – April 2019

Bibek Ghosh , Assistant Professor, Dept. of Computer Science, RKMRC, Narendrapur

- Comparative Study of three approaches (LSB(Least Significant Bit), Tri-way PVD(Pixel Value Decomposition),Integer Wavelet Transformation)

EDUCATION

Master of Science, Big Data Analytics, RKMVERI, GPA : 8.33/10.00 August 2020 — Present

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
Data Engineering
Optimization Algorithms
Computer Vision

Deep Learning
Data visualization
Data Augmentation

LANGUAGES & TOOLS

Python	R
C	HTML
JavaScript	CSS
MySQL	Neo4J
PySpark	Java

ACHIEVEMENTS

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