

Sourav Karmakar



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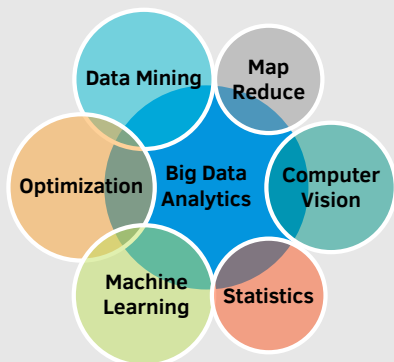
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Sourav89068

Course Skills

Overview



Programming and technical strength

Python • MySQL • R • C • Java

Linux • Hadoop • PySpark • Neo4j

html-css • Google Cloud Platform

Education

MSc., Big Data Analytics (CGPA: 8.08)

(Currently pursuing)

Ramkrishna Mission Vivekananda Educational and Research Institute
2020 - 2022 | West Bengal, India

BSc., Mathematics (CGPA: 7.83)

Banwarilal Bhalotia College

2017 - 2020 | West Bengal, India

12th (Percentage: 81.8%)

Asansol Old Station High School

2015 - 2016 | West Bengal, India

10th (Percentage: 85.4%)

Asansol Old Station High School

2013 - 2014 | West Bengal, India

Projects

Oct 2021 -

Modelling and Prediction of Oil prices using relevant news data

Supervisor: Prof Gopal Krishna Basak, Professor at Indian Statistical Institute

Present

- Prepared the data by scraping a news website with wti and brent oil prices

July 2021 -

Text to speech

Supervisor: Mr. Purnendu Mukherjee of NVIDIA, Santa Clara, California, United States

Present

- Deployed a text to speech pipeline in cloud

Sep 2021 -

Time Series and Forecasting project

Supervisor: Dr. Sudipta Das. Ph.D. (Indian Institute of Science, Bengaluru)

Oct 2021

- Forecasting of the NO2 monthly emission data of 29 Indian States and Union Territories
- Predicted the data using SARIMA model and checked the co-integration of NO2 data with yearly GDP data of each one of them.

Jul 2021 -

Various optimization algorithm used in sentiment analysis on financial news data

Supervisor: Mrinmay Maharaj (PhD, Pennsylvania State University)

Sep 2021

- Performed sentiment analysis with bert
- Optimized by tuning hyperparameters and changing algorithms
- [github_link](#)

Apr 2021 -

Facial Keypoints Detection-Deep learning project

Supervisor: Dr. Sujoy Kumar Biswas, Director and Principal Scientist, AIMP LABS, Kolkata

Jul 2021

- Performed non-linear regression with CNN
- Optimized by tuning hyperparameters
- Deployed locally
- [github_link](#)

Mar 2021 -

Bankruptcy Classification

Supervisor: Dr. Sudipta Das. Ph.D. (Indian Institute of Science, Bengaluru)

Apr 2021

- Linear Discriminant Analysis-Statistics Project
- [github_link](#)

Feb 2021

Computer vision projects

Supervisor: Br. Tamal (PhD, University at Buffalo, Buffalo, NY, USA)

May 2021

- Image Filtering and Hybrid Images
- Detecting Harris Corners and Matching Images(SIFT)
- Camera Calibration and Fundamental Matrix Estimation with RANSAC
- [github_link](#)

Sep 2020 -

Exploratory Data Analysis

Dec 2020

- Data visualization on zomato restaurants data
- Exploratory data analysis on bank loan acceptance data
- [github_link](#)

Declaration

I hereby declare that the above particulars of facts and information stated are true, correct and complete to the best of my belief and knowledge.