



Sawan Aich

Data Science Enthusiast

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A quick-learner with good analytical and problem solving skills, looking forward to work in Data Science and Data Analytics roles.

EDUCATION

MSc in Big Data Analytics

Ramakrishna Mission Vivekananda Educational and Research Institute

2020 - Present

Courses

- Data Structures and Algorithms
- Optimization for Machine Learning
- Basic Statistics
- Machine Learning
- Time Series Analysis and Forecasting
- Linear Algebra
- Probability and Stochastic Processes
- Multivariate Statistics
- Computer Vision
- Optimization Algorithms

BSc (Honours) in Computer Science

St. Xavier's College, Kolkata (Autonomous)

2017 - 2020

Percentage - 77

ISC

K E Carmel School, Amtala

2015 - 2017

Percentage - 93

Stream

- Science

ICSE

K E Carmel School, Amtala

2015

Percentage - 96

INTERNSHIPS

Corporate Ambassador

IFortis Corporate (Jun, 21' - Jul, 21')

Tasks

- Day-to-day tasks included promoting the company at various social media platforms as well as look out for other interested candidates to join the company.

Subject Matter Expert (Mathematics)

Quizzy Edtech Services Private Limited (Jul, 21' - Sep, 21')

07/2020 - 09/2020

Tasks

- Day-to-day tasks included solving mathematical questions by hand and uploading them in the company portal.

SKILLS

Python R Java C++ C MySQL

Neo4j DBMS Numpy Pandas MS - Excel

Matplotlib Seaborn Computer Vision CNN

Machine Learning scikit-learn Pytorch Keras

Deep Learning MS - Powerpoint MS - Word

PERSONAL PROJECTS

A Novel Gene Embedding Model for Single Cell Transcriptome Analysis (July, 21' - Present)

- This project includes analysis of developmental single cell transcriptome data.

Time Series Analysis of SO2 Emission in India and its relation with state-wise GDP (Oct, 21' - Nov, 21')

- This project deals with the state-wise SO2 emission data over a span of 15 years and analyses them. It also checks on how SO2 emission is affecting the Indian economy and vice-versa.

A Comparative Analysis of different Optimizers on Vehicle Classification (Aug, 21' - Oct, 21')

- This project compares the efficiency of four different deep learning optimizers based on their performance on classifying vehicles.
- <https://github.com/Sawan278/Vehicle-Classification>

Easy Visual Question Answering and its Implementation using Flask API (Mar, 21' - Jul, 21')

- This project is a lighter version of the original VQA project, and can answer questions related to geometric shapes.
- <https://github.com/Sawan278/Easy-VQA>

Formation of Hybrid Images (Feb, 21')

- Hybrid images are formed by combining two images, one with dominant higher frequencies and one with dominant lower frequencies.

Gender Recognition through Voice using Python (Aug, 19' - Apr, 20')

- A voice is given as an input and the model could predict its gender (Gender Classification) using Machine Learning.

LANGUAGES

English ● ● ● ● ●

Bengali ● ● ● ● ●

Hindi ● ● ● ● ○