Subham Sarkar

Data Scientist

Analytics professional with proven experience in Machine Learning, Deep Learning, NLP, Recommendation Systems and Computer Vision. Strong expertise in converting data to business achievements.

kingsubham27@gmail.com

7001363491

linkedin.com/in/subham-sarkar-4224aa147

in

github.com/SubhamIO

g...., cas...

WORK EXPERIENCE

Data Scientist

Fractal Analytics - Bangalore

09/2021 - Present

Achievements/Tasks

- Developed Entity Matching Algorithm based on Name and Transaction based matching for NA based trucking card company to help standardize customers in different systems for C360.
- Developed Time Series Forecasting Pipeline for automatically choosing the best model and generate Revenue forecasts to understand changes to the portfolio and raise Anomalies where behavior is unexpected.
- BUSINESS IMPACT CREATED:
- Identified cases of migration and created segmentation for these matches.
- 30% Improvement in entity resolution results of the MDM due to recommendations provided by Fractal.
- Algorithm also helped define cases of attrition and new customers as a by product.

Data Scientist

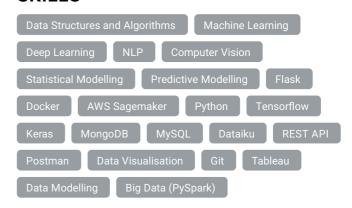
Amantya Technologies - Gurgaon

10/2020 - 09/2021

AUTO MI PROJECT

- Worked on developing different features for the AutoML framework such as 'Forecasting module', 'Compare different ML models', 'Choose and Tune your ML model', 'Retrain your ML model' in the easiest possible way for the end user.
- Building Web API's or REST API's using Flask framework on Python and API testing in Postman.
- Deployment or Productionisation of Machine Learning models on AWS EC2 instance and, Input Data Storage: MongoDB and Postgre DB and Output Data and Model Storage: AWS S3 Bucket.
- Code CheckIns and Version Control: Github, Bitbucket.

SKILLS



PERSONAL PROJECTS

Image Captioning using ATTENTION Mechanism

- Caption generation is a challenging artificial intelligence problem where a textual description must be generated for a given photograph using Encoder-Decoder models and Attention mechanism.
- Blog written on the topic.
- Github Link to the project.

Netflix Movie Recommendation System

- Netflix provided a lot of anonymous rating data, and a prediction accuracy bar that is 10% better than what Cinematch can do on the same training data set.
- Collaborative Filtering Based Recommendation.
- Github Link to the project.

Amazon apparel Recommendation System

- To recommend similar apparel products/items in e-commerce.
- Content Based Recommendation.
- Github Link to the project.

Stock Price Prediction using Deep Learning

- Predicting next n days prices using previous m days records.
- Github Link to the project.

EDUCATION

B-Tech in Computer Science and Engineering Haldia Institute of Technology

08/2014 - 06/2018 CGPA: 8.73 / 10

High School - CBSE (12th)BSF Sr. Sec. Residential School

04/2012 - 06/2014 Percentage: 89.8%

High School - ICSE (10th) Good Shepherd School

02/2011 - 03/2012 Percentage : 85.14%

TUTORIAL AND VIDEOS BY ME

Approaching any NLP Problem

Different ways to tackle a NLP problem - From basic to SOTA Models . Github Link

PySpark in Action

How can anyone get started with PySpark MLLib easily. Github Link

Object Detection in Realtime Videos and Images using YOLO V3
Youtube Link

Build and Deploy a Machine Learning Flask Web API or REST API using DOCKER

Youtube Link

Face Recognition in Live Stream Video using VGG - 16 (Python,OpenCV)

Youtube Link