Shubendu Biswas

Github | Linkedin | biswasshubendu4@gmail.com | My website

EDUCATION

FULL STACK DATA SCIENCE ENGINEERING
GreyAtom School of Data Science
July 2019 – May 2020 | Mumbai, India

BACHELOR OF COMPUTER APPLICATIONS (HONS.)
Lovely Professional University
July 2016 - June 2019 | Jalandhar, India
Major: Data Structures and Algorithms • Minor: HRM
Cum CGPA: 8.39/10

SKILLS

TECHNICAL SKILLS
Proficient with
Python3 • C++ • Keras • Tensorflow • Pytorch • Deep Learning • Machine Learning • Computer Vision • NLP Image Processing • Statistical Inference • Data Visualization Probability/Statistics • MySQL • Linear Algebra • Calculus Flask • Docker • AWS • GCP • Linux • Git • HTML • CSS
Familiar with:
Hadoop • Big Data • Java • Spark • Unity

SOFT SKILLS
Strong
Strong work ethic • Persuasive • Motivator & Leader

AWARDS & EXPERIENCE

HACKATHON | Will They Claim it?
Github | Certificate
Dec 2019 | Mumbai, India

- Won first place in hackathon in machine learning on the insurance dataset conducted by Grey Atom.
- Used popular supervised machine learning algorithms such as Random Forest, SVM, XgBoost, GBDT, Logistic Regression, Decision Tree, AdaBoost and Stacking with proper hyperparameter tuning to predict the false claim of any insurance.

HACKATHON | Sentiment Analysis on Twitter
Github | Certificate
Jan 2020 | Mumbai, India

- Reached second place in hackathon on Twitter dataset among 12 challenging teams of professional.
- Used NLP techniques to preprocess the data, also used word embeddings like word2vec and glove vectors to convert words into vectors.
- Implemented deep learning techniqes such as LSTM, GRU and CNN for sentiment analysis of tweets.

TECHNICAL PROJECTS

MAHINDRA FIRST CHOICE SERVICES
Geolocation Based Customer Analysis | Customer Lifetime value prediction
Github
Feb 2020

- Identifying the ownership pattern of cars throughout the country. This also captures the problem wherein information regarding the spending patterns can be identified. A detailed analysis of care make and model, time and type of services etc vary with location. The servicing industry is local in nature, so this kind of analysis rendered some really interesting business insights.
- Customer Lifetime value prediction: Revenue Forecast - Times Series Analysis with ARIMA.

Technologies used: Plotly, ARIMA, Time Series Analysis, Seaborn, Matplotlib, Python3

SENTIMENT ANALYSIS OF AMAZON FINE FOOD REVIEWS Supervised Analysis | Unsupervised Analysis
Github
Feb 2020

- Preprocessing text data using NLP techniques, Used deep learning techniques such as word2vec to convert text data into vectors.
- Used popular supervised machine learning algorithms such as KNN, Logistic Regression, SVM, Naive Bayes, Decision Tree, Random Forest, XgBoost.
- Hyperparameter tuning of every algorithm using visualisation techniques with ROC metric.
- Applying unsupervised techniques such as SVD, PCA, T-SNE and K-means clustering.

Technologies used: SQL, Python3, Machine Learning, Deep Learning, NLP, Seaborn, Matplotlib, Supervised, Unsupervised

DEEP SURVEILLANCE SYSTEM Emotion Detection | Age Detection | Gender Detection
Feb 2020 - Present

- Building emotion detector using little VGG architecture with six classes.
- Using Computer Vision detecting age and gender.
- Integrating all these things into single Flask web app.

Technologies used: Deep Learning, Computer Vision, Python3, Image Processing, Data Augmentation, ConvNets, VGG