Buddhadeb Mondal

Artificial Intelligence Engineer

Profile Summary

- AI certified achievement driven professional having 2.5+ years of experience in automation, machine learning and telecom.
- Strong Knowledge in time series problems, natural language processing, deep learning which includes CNN, RNN, LSTM and statistical analysis.
- To secure a challenging position in a reputable organization to expand my learnings, knowledge and skills in the Data science industry.

Work Experience

ERICSSON   **Feb 2018 - Present**
Assistant Engineer

- Field Revisit Prediction - used **NLP** to prepared Model with Naive Bayes and achieved the accuracy of 89%. Developed and Implemented new forecasting models which increased project productivity.
- Beat **500+** data scientists within the company in BMAS Hackathon building model that fit the best using **time series** forecasting.
- Working on optimize coverage network area in buildings and predicting required site strength using machine learning with the help of P3 data.
- CIQ automation in Python which saved **20%** manpower in the team.
- Automate Office with Python – **500 hours** per year cost savings in a project.
- HR Tools Automation – Web scraping using Selenium in Python.
- Rich experience in commissioning, Integration, troubleshooting, XML script creation of 4G and 5G sites, dealing with various telecom datasets.

- Python, R, SQL
- Regression
- Classification
- Data Mining
- ML Algorithms
- Data Modeling
- Data Visualization
- NLP
- Sklearn, SciPy
- Numpy, Pandas
- Neural Networks
- Computer Vision
- Tensorflow, Keras
- Matplotlib, Seaborn
- Spyder
- RStudio
- Power BI
- Microsoft Office
- Jupyter Notebook
- Google Collaboratory
- Premier Pro, Photoshop

Kaggle Challenges

- Real or Not? NLP with Disaster Tweets - in Top 1 % (Rank 9)
- M5 Forecasting – Accuracy – in Top 4%
- Titanic: Machine Learning from Disaster- in Top 8%
- House Prices: Advanced Regression Techniques – in Top 14 %
- TensorFlow 2.0 Question Answering – in Top 72 %

Projects

Face Recognition Attendance System: Full life cycle development of Facial recognition using open source **Computer vision** with a TkInter GUI interface.

Coronavirus Analysis: Propagation visualization and outbreak geographical case study, tracking the spread of this disease using air flights route in 2019-20.

E-commerce: Sentiment analysis from customer review in Amazon portal, performed EDA, TF-IDF, Tree based classifier, F1 Score, Multiclass SVM and neural nets.

Age Detection: Facial feature analysis and detecting age using advance activation layers in Keras, multiclass classification and **Image processing**, deep learning techniques from IMFDB database.

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Certifications

- ❖ **Master Program: Artificial Intelligence Engineering (Simplilearn Certified)**
  Jan 2019 – April 2020
- AI Capstone Project
- Data Science with R
- Apache Spark & Scala
- Data Science with Python
- Advanced Machine Learning
- Business Analytics with Excel
- Programming with Python 3.x
- Deep Learning with TensorFlow
- Statistics Essentials Data Science

Achievement

Hackathon Ericsson 3.0 Winner
Detection of anomalies by predicting Temperature using **Auto ARIMA** based Time Series modeling for various ports.

Education

JIS College of Engineering
B. Tech: ECE [80.75 %]
University: WBUT
Year of Pass out 2017

Soft skills

- Business Acumen
- Intellectual Curiosity
- Problem Solving Ability
- Autonomous Team Player
- Strong Communication Skills

Additional Activities

- Blogger at **Analytics Vidhya**
- Photography & Editing
- Vocalist and Guitarist
- YouTube Content Creator