Vasai, Maharashtra, India
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VIPUL SOLANKI

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SUMMARY

Proficient in Machine Learning and Deep Learning skills/concepts with a passion for real problem solving and cutting-edge technologies. Strong Information Technology professional with a B.E in Computer Engineering from Mumbai University.

Languages and Technologies

- Programming Languages – Java(basic), Python.
- Database – MySQL.
- Frameworks and tools – TensorFlow, Scikit-learn.
- Others – Machine Learning, Statistics.

PROJECTS

Microsoft Malware Detection
- Implemented EDA, various feature extraction techniques such as unigram, bigram and image feature of asm files and byte files.
- Implemented various Machine learning algorithms such as Logistic Regression, Random Forest and XGBoost using sklearn and achieved a log loss of 0.012.

Speech Emotion Recognition
- Implemented a convolution neural network model in TensorFlow to recognize emotion from speech using RAVDESS dataset.
- Used data augmentation techniques and extracted spectrogram features using Librosa to achieve an accuracy of over 74% on test data.

Twitter Sentiment Analysis
- Performed sentiment analysis of tweets to classify hate tweets from the text data.
- Implemented data cleaning methods and various NLP techniques such Bag of Words, TFIDF vectorizer, TFIDF weighted Word2Vec using sklearn and compared the performance of each of the techniques.

EMPLOYMENT

Associate Analyst   **Ugam Solutions**   **August 2018 – Nov 2019**
- worked in Data processing team to prepare interim setups and complex data Merging using SPSS tool.
- End-to-end client co-ordination in query resolution and data checks.

EDUCATION

Andheri, India   **Rajiv Gandhi Institute of Technology**   **Aug 2014 – July 2018**
- B.E. in Computer Engineering. CGPA: **6.97**/10
- Main coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Operating Systems, Software Engineering.

Vasai, India   **Annasaheb Vartak College of Science**   **July 2012 – Mar 2014**
- HSC from Maharashtra State Board (2014) securing **84.53%.**

Vasai, India   **Holy Paradise High School**   **June 2011– Mar 2012**
- SSC from Maharashtra State Board (2012) securing **90.0** %

CERTIFICATIONS

- Applied Machine Learning Course by Applied AI Course Institute.
- Python Workshop by FOSSEE, IIT Bombay.