Kaumil Trivedi

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Career Objective

- To hone my skills and apply them in the domains of Data Science and Machine Learning

Skills

- Technical Skills: Python, MySQL, Tensorflow, Keras, PyTorch, Scikit-Learn, Numpy, Pandas, GitHub
- Languages Spoken: English, Hindi and Gujarati

Education

BACHELOR OF ENGINEERING, COMPUTER ENGINEERING   JUL 2014 – MAY 2018

- Gujarat Technological University, India
- CGPA: 9.22/10

Work Experience

DATA SCIENCE INTERN   DEC 2017 – JUN 2018

SOFTVAN INC., AHMEDABAD

- Trained ML models for Insurance Fraud Detection, Loan Default Detection, Unsupervised Clustering as well as Object Detection using various architectures such as ResNet, AlexNet, and YOLO

AI DEVELOPER   JUN 2018 – APR 2019

TURABIT SOLUTIONS PRIVATE LIMITED, AHMEDABAD

- Worked on development of chatbots and developed API to make the chatbot install software applications on target machine as well as schedule the chatbot to perform a certain function at a time selected by the user
- Trained ML Models to perform text classification and determine the intent of the user query and trigger the necessary functions required to complete the requested task

AI DEVELOPER   APR 2019 – PRESENT

ARELI COMMERCE PRIVATE LIMITED, AHMEDABAD

- Working on Recommendation Engines using algorithms like Item-based collaborative filtering
- Building ETL pipelines consisting of stages of Data Ingestion, Feature Engineering, Model Training and Deployment

Academic Projects

EMOF_AI   **JUN 2018**

* Web API which takes a sample video as an input, performs face recognition followed by classification
* Classifies the emotion of the detected face into 1 of 8 emotions viz. anger, disgust, fear, happy, sad, surprise, neutral and none (this is where no emotions are detected in the video frame)
* From the detected face, the gender as well as the age group of the person are also classified
* After the video processing, a Data Analysis Graph is generated which shows the proportions of the emotions grouped by the gender and the age group (adult, child, old and youth)

TEXT ANALYSIS AND TOPIC MODELLING ON NEWSGROUP DATA   **MAR 2018**

* Analysis of the 20 NewsGroup Dataset followed by Lemmatization and K-Means Clustering and Non-Negative Matrix Factorization for topic modelling

Publications

AUTHOR, "A HYBRID BINARY CLASSIFIER FOR PATTERN CLASSIFICATION"
DOI: 10.1109/ICDSE47409.2019.8971788
IEEE 5TH INTERNATIONAL CONFERENCE OF DATA SCIENCE AND ENGINEERING (ICDSE) 2019

* Presented a new hybrid binary classifier combining a decision tree with support vector machine. The resultant model has better accuracy and easy interpretability. Tested the hybrid model on 25 various UCI datasets to assess its performance and robustness
* Invited to publish the extended version of the paper in the Journal of the Indian Academy of Sciences, Sadhana (Springer) and working on extending the algorithm on multi-class classification and imbalanced classification framework

Independent Coursework

* Certified by Coursera for completing Deep Learning Specialization authored by deeplearning.ai
* Certified by Stanford Online in the course of Statistical Learning authorized by Stanford University
* Certified by Coursera in the course of Machine Learning authorized by Stanford University
* Certified by National Program on Technological Enhanced Learning (NPTEL) in Natural Language Processing authorized by IIT Kharagpur
* Certified by National Program on Technological Enhanced Learning (NPTEL) in Data Structures and Algorithms using Python authorized by IIT Madras
* Certified by Udemy in the course of Spark and Python for Big Data with PySpark
* Certified by Udemy in the course of Taming Big Data with Apache Spark and Python – Hands On!

Extra–Curricular Activities

* Participated in the Smart India Hackathon 2017 and got certified by Department of Atomic Energy, India
* Participated and cleared Round 1 of TCS CodeVita Season V and got certified by Tata Consultancy Services