

Kaamil Trivedi

Portfolio: <https://kaamil.github.io/> | Email: kaamil.trivedi97@gmail.com |



Career Objective

- A professional with 2 years in the domains of data science and machine learning, seeking to apply and hone my skills to develop end-to-end machine learning systems.

Skills

- Technical Skills: Python, MySQL, Tensorflow, Keras, Scikit-Learn, Numpy, Pandas, Git, Elasticsearch
- 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

AI DEVELOPER

APR 2019 – PRESENT

ARELI COMMERCE PRIVATE LIMITED, AHMEDABAD

- Working on a mobile app called “Frendy” where I created a search system using AWS Elasticsearch and maintaining a system with 60000 queries a month.
- Created a relevance sort algorithm for sorting products by custom metrics (promoting/demoting brands, price ranges, promotion of a particular product etc.)
- Worked alongside the mobile developers to insert event triggers to monitor the health of the application and provide analytics.
- Working on a recommender system using item-item collaborative filtering algorithm.

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

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

Projects

BLOGGING WEBSITE

JUL 2020 – AUG 2020

- Created a blogging website using Flask framework as well as used SQLAlchemy for building relationships and CRUD operations.
- Established a mechanism for a user to follow different people and have the posts of the followed people on the home page.
- Established an “Explore” feature where a user can explore different posts from all the users on the website in a descending order of the post timestamp.
- Established a “Search” feature using Elasticsearch where people can search for a keyword and have relevant posts displayed. Deployed on Heroku using PostgresDB and Searchbox ES add-ons.

EMOF_AI

JAN 2018 - MAR 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)

Publications

A HYBRID BINARY CLASSIFIER FOR PATTERN CLASSIFICATION

DEC 2018 – MAR 2019

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

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