Shakirali Vijapura

M.Tech in CSE-Data Science and Analytics

+91-9723985429
vijapura313@gmail.com
linkedin.com/in/shakirali-vijapura/
github.com/Shakir1997

Summary

- AI enthusiast with a strong mathematical background. I have good Knowledge of Machine Learning algorithms and have work on various projects related to it. Highly motivated and passionate always willing to learn, work in such cutting edge technology.

Experience

- **Machine Learning Engineer** *June 2020*
  Work on image processing and estimating the size of an object in the image. This project is a product of bangalore based startup known as werofit.

- **Machine Learning Intern at 'ABB Ability Innovation Center'** *May 2019 - April 2020*
  Perform various types of image augmentation techniques to increases the size of the dataset by 50% then original.
  Work on the various object detection algorithm like Single Shot Detection and Faster-RCNN.
  Used Tensorflow Object Detection API and Transfer Learning to train various types of object and achieve the mean average precision of 75%.
  Also work on text data where I use to extract important text information from large word documents using a regular expression, data extraction, and text cleaning techniques using various python libraries.

Projects

- **Finding Donors for CharityML** *Jan 2019 - Feb 2019*
  Classification problem, Feature engineering. Applied Random Forest, Logistic Regression and Gradient Descent Algorithm and selected Logistic Regression with the highest Accuracy and F-score of 84% and 68%.

- **Chest X-ray Classification** April 2020 - June 2020
  Pneumonia Classification on X-ray images. Applied various image pre-processing to prepare training datasets.
  Used CNN for train model and to predict from x-ray whether the patient is Pneumonia positive or negative.

- **Predicted the popularity of songs | Rank - 39/222** *Nov 2019 - Dec 2019*
  Predication problem, Data cleaning, Feature engineering.
  Used Ensemble method like Random Forest and XGBoost.

- **Image Compression** Sept 2018 - Oct 2018
  Reduced the size of the image by almost 1/5 of the original image retaining maximum information in the image.
  Applied Single Value Decomposition for image compression.

- **Email Spam Classification** Aug 2018 - Sept 2018
  Used Bag of words for preprocessing.
  Applied Navies Bayesian algorithm to predict the category of email and achieve Accuracy and F-score of 98% and 95%.

Technical skills

- **Languages/Scripts/Database :** Python, R, HTML, MySQL
- **ML Libraries:** Sklearn, Keras, Tensorflow, Flask**,** Pandas, Numpy, Matplotlib
- **Tools/Software :** Orange, Weka, Power BI, TeXstudio(Latex), MS Excel
- **Operating system :** Windows, Linux

Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2020	M.Tech (CSE)	Ahmedabad University, Gujarat	3.11/4
2018	B.Tech (Electrical)	Gujarat Technological University, Gujarat	7.71/10
2014	Senior Secondary	GSHSEB board	80%
2012	Secondary	GSEB board	83%

Key courses taken

- Probability and Statistics
- Machine Learning
- Linear Algebra
- Calculus
- Data Analysis and Vizualization
- Deep Learning Specialization

Achievements & Co-Curricular Activities

- **Udacity Intel AI Scholarship:** Selected to participate in Intel AI Edge Scholarship 2019.

- **Kaizen 2018**: Secured Rank 3 in annual project fair event for B.Tech final year project.
- Member of google developer group.
- Attended various meetups held at Microsoft, Hotstar on various cutting-edge technology and their applications.
- An active participant in various hackathons organized by MachineHack.