HARJOT SINGH

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EDUCATION

Bhavans Vivekanada College *Expected Grad. 2022*
Bachelors in Computer Application
Course work: Discrete maths, OOP's(C/C++/Java), DBMS, AI ...

Delhi Public School *2019*
Metric and Intermediate
Course work: Commerce, Economics, Civics, Accountancy ...

TECHNICAL SKILLS

Languages: C, C++, Java, Python, HTML/CSS, Javascipt, SQL/MYSQL
Frameworks & Tools: Numpy, Pandas, ScikitLearn, Git/Github

PROJECTS

Dog Vision
- Built a deep learning project on identifying breed of dogs using a Convolutional Neural Network(CNN) built using Tensor Flow.
- Built a model using Transfer Learning, help of MobileNetV2 convolution blocks.
- Applied custom user images to identify the model with almost 90% accuracy.

Cardiovascular Disease Dataset
- Constructed a machine learning model from scratch using Supervised Learning and Logistic Regression as the estimator.
- Goal was to achieve a Cross-Validated score of 80% or more and the model surpassed the minimum score by 85-90%, with highest Recall score close to 90% of the model.
-Hyper-tuned the model and its parameters to achieve 1-2% boost on existing model.

Pima Diabetic Dataset
- Aggregated and prepped 800 patients records of National Institute of Diabetes and Digestive and Kidney Diseases from independent source of data set.
- Created a logistic regression and KNN model in SAS, combining disparate sources into one projection that outperformed with 82% accuracy.

WORK EXPERIENCE

MVARO (www.mvaro.com) *July 2021*
Machine Learning Internship
- Goal was to create a digit recognizer using MNIST dataset. To see the effectiveness of methods on reduced data sets and one- shot learning, smaller modified versions of MNIST were created.
- To reduce time complexity and further improve performance, different variant of SVM (Support Vector Machine) was used.