NIHAL TAHARIYA

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CAREER OBJECTIVE

To work in the field of Data Science, apply my acquired knowledge to contribute to achieving strategic organizational goals and getting regular carrer advancement opportunities.

ACCOMPLISHMENTS

- Completed the following Massively Online Open Courses (MOOCs):
  - **Machine Learning: Regression** by University of Washington, Coursera, 2017.
  - **Neural Networks and Deep Learning** by deeplearning.ai, Coursera, 2017.
  - **Improving Deep Neural Networks, Hyper Parameter Tuning, Regularization and Optimization** by deeplearning.ai , Coursera, 2017.
  - **Structured Machine Learning Project** by deeplearning.ai, Coursera 2018.
  - **Applied Text Mining** by University of Michigan, Coursera, 2018.
  - **Convolutional Neural Network** by deeplearning.ai, Coursera 2018.
  - **Mentor Training Program** by Coursera, 2017.

TECHNICAL SKILLS

- Data Science: Python, Numpy, Pandas, Seaborn, Matplotlib, Scikit Learn
- Exploratory Data Analysis, Data Visualization, Text mining
- Scrapy, NLTK, OpenCV, Deep Learning, Tensorflow, Keras.
- Optical Character Recognition, Web scraping, Image Processing
- Machine learning models used in the regression and classification task

DATA SCIENCE – INTERN

Handwriting Recognition Project: Build the next generation handwriting recognition system by using Computer vision and Deep learning. Applied various image processing techniques to improve the performance of existing models. Trained YOLO model from the scratch for the character recognition task.

Optical Character Recognition Project: Build the image classifier by using the transfer learning. The tesseract library is used for the name_tagging purpse. To further classify the images into two different categories, wrote an algorithm which takes the inputs from the above modules and fulfilled the task requirements.

PROJECT WORK

- **Data Identity: (Analytics Vidhya)**
  72 rank on the private leaderbord.

- **Mcikinsky Analytics Competiton: (Analytics Vidhya)**
  AUC score of 0.79

- **Whats Your House Worth: (College Project)**

  It was a regression task, where I had applied various machine learning algorithms to find the price of an house. I collected the data from the UCI machine learning repository.

BLOG WORK

- A project on Image Processing called '***Simple Image Processing using OpenCv***'. This blog teaches the basics of Image Processing. Our task is to extract the white stripe having blood sample of the patient from the given images. I have published a detailed tutorial/blog about this project and its link is:
  https://medium.com/@nihaltahariya/simple- image-processsing-c8deb432e0a2

EDUCATION

- **Higher Secondary:** Secured 81 % in M.P. Board of Secondary Education, 2012
- **Senior Secondary:** Secured 76 % under M.P. Board of Secondary Education, 2010
- **Bachelor of Engineering(Computer Engineering):** Secured 64.2 % in IET DAVV University 2017

INTERESTS AND HOBBIES

- Practicing Yoga , Fitness , Calisthenics
- Reading books