Dhaval Dholakia

DEEP LEARNING & MACHINE LEARNING ENTHUSIAST ◆ KAGGLE COMPETITOR

📞 (774)701-2185 | ✉ dddholakia@wpi.edu | 🐙 ddhaval04 | in dhaval-dholakia

EDUCATION

Worcester Polytechnic Institute (WPI),   Worcester, MA

Masters in Data Science, GPA: 3.37/4.0   Aug 2016 - May 2018
- Notable Coursework: Predictive Modeling, Deep Learning, Big Data Management, Business Intelligence
- Frameworks/Libraries Used: Pandas, Numpy, , NLTK, TensorFlow, Keras, Theano, Matplotlib, Scikit-Learn, D3.js, Tableau, WEKA, Hadoop Map-Reduce, Spark
- Languages: Python, VBA, JavaScript

Mumbai University,   Mumbai, India

Bachelor of Engineering in Information Technology, GPA: 3.6/4.0   Aug 2010 - Aug 2014
- Notable Coursework: Advanced Databases, Data Structures, Algorithms, Artificial Intelligence
- Frameworks/Libraries Used: Pandas, Numpy, Scipy, SQL-Server
- Languages: Python, Java, C++, C# .NET, JavaScript
- Awards: 1st Place, 'Prakalpa' State Level Conference and Project Working Model Exhibition- India, 2014

EXPERIENCE

NeuroScouting LLC   Cambridge, MA

DATA SCIENCE INTERN   June 2016 – PRESENT
- Performed feature engineering from different neuroscience-based evaluation and training modules.
- Developed predictive models to predict and score a player's brain.
- Trained machine learning model to predict player's present/future performances.

Worcester Polytechnic Institute   Worcester, MA

GRADUATE ASSISTANT   Aug 2016 – Aug 2017
- Developed a "Refugee Placement" optimization model using 0-1 Integer Linear Programming.
- Developed an algorithm that solves a problem in maritime shipping by optimizing the inventory management using Python.

Ariston Capital Services Private Ltd, India   Mumbai, India

JUNIOR SOFTWARE DEVELOPER   May 2015 - Jun 2016
- Designed an algorithm which continuously monitors and handles the processing of Real-Time financial trading data
- Developed an industry-level trading application using C# which enables traders to trade real-time in National Stock Exchange-India (NSE)

PROJECTS

Data Science Bowl 2017, Kaggle   Jul 2017- Dec 2017
- Trained machine-learning algorithms to accurately determine when lesions in the lungs are cancerous.
- Wrote pre-processing scripts, data visualization programs and evaluated performance of various algorithms.
- Build 3D Convolutional Neural Network to predict if the image contains the nodule or not with 92% accuracy.

Zillow's Home Value Prediction, Kaggle   Jun 2017- PRESENT
- Currently ranked in Top 20% of the public leaderboard for the competition.
- Performed feature engineering and feature selection. Tuned the hyper-parameters using cross-validation.

NLP Approach to identify Area of Law for Indian Law Judgments   Jan 2017- Feb 2017
- Wrote data cleaning and pre-processing scripts to process large corpus of documents.
- Trained machine-learning algorithms on the unlabeled set of documents to predict area of laws with 75% accuracy.