DAMANPREET KAUR

Computer Science graduate student at Oregon State University. Looking for internship opportunities in the field of Deep learning to solve real-world problems. Currently working on a research project in Computer Vision.

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PROJECTS

Projects - Training Deeplabv3 to segment the traits in a plant image, Hyperspectral image alignment

📅 June-August 2019

- Trained a Deeplab v3 model to segment the traits in plant images. Acheived a 82% miou on the test dataset.
- Align Hyperspectral image with the RGB image.
- Link: https://github.com/NSF-Image-alignment/ImageAlignment.git

Deep Learning Projects - Training Image Classifier on CIFAR 10 using CNN, Generating Music for Text using LSTM

📅 February-March 2019

- Trained a Deep Convolutional neural network on the CIFAR10 dataset. Achieving 90% accuracy on the test dataset.
- Link: github.com/Damanpreet/Deep-Learning
- Developed a LSTM model that learns to compose music from Natural language.

Natural Language Processing Project - Text-ninja

📅 January 2019

- An android application to find similar paragraphs in a txt file using tf-idf. The application aims to find paragraphs similar to what a user would like to read.
- Link: github.com/text-ninja

Machine Learning Projects - Predicting House Price, Optical Character Recognition

📅 October 2018 - January 2019

- Predicting the house's price based on set of features using Linear Regression consisting of historic data on May 2014 to May 2015. Optical Character Recognition to predict numbers 3 and 5 (binary classification) using Perceptron and Decision Trees.
- Link: github.com/Damanpreet/Machine-Learning

Bowl2Recipe

📅 January 2019 - March 2019

- The project is aimed at designing an android app where users can check the recipe of the dish by uploading an image. Additionally, it allow users to search for the recipe using the dish or the ingredient name.
- Link: github.com/BOWL2RECIPE

CERTIFICATIONS

Deep Learning Specialization on Coursera by Andrew Ng
December 2018 - April 2019

EXPERIENCE

Teaching Assistant
Oregon State University, Oregon, USA

📅 September 2018 – Ongoing

Senior Systems Engineer
Infosys Limited, India

📅 September 2015 – July 2018

EDUCATION

Master of Science in Computer Science   GPA: 3.91/4.0
Oregon State University, USA

📅 Expected – 2020

Relevant Coursework: Machine Learning**, Deep Learning*, Computer Vision**, Methods of Data Analysis*, Software Project Management*, Data Structure*
Fall'19: Analysis of Algorithms, Natural Language Processing
**: Awarded an A-   *: Awarded an A

Bachelor of Technology in Computer Science   Aggregate: 83%
Guru Tegh Bahadur Institute of Technology, India

📅 May 2015

MOST PROUD OF

🏆 **Received the Most Valuable Player award in EAS Oracle Galaxy Awards 2017 at Infosys in Dec, 2017.**

💓 **Vice President, Women in Engineering, IEEE GTBIT, Aug, 2014-Jun, 2015**

TECHNICAL SKILLS

Python   Unix Scripting   SQL   C

Mongo DB   Pandas   Numpy

Pytorch   Tensorflow   Scikit-learn

R programming for statistical analysis

Powershell Scripting