Dilip Sharma

Final Year Student, Instrumentation and Control Engineering, NIT Jalandhar

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Self- Motivated, Innovative Individual and always ready to learn new things in challenging environment.

PROJECTS/INTERNSHIP

Research Intern
Indian Institute of Remote Sensing, Dehradun(ISRO)

Project:- Unsupervised Image Classifier using FCM
- Worked to read and display a multispectral satellite image in JAVA environment. Unsupervised Fuzzy C-means classifier algorithm was implemented to classify the image.

Contact: *Mentor:-Dr. Anil Kumar (SG) – anil@iirs.gov.in*

Tweet Sentiment Analyser
Natural language processing

Task
- It makes use of two rest APIs- Tweepy (Twitter API for python) and TEXTBLOB (Sentiment Analysis NLP API for python. It rates tweets for a particular search keyword and categorises them into positive and negative sentiment.

Game Bot(OpenAI)
Reinforcement learning

Task
- Created a game bot OpenAI's gym library to train a bot in the cartpole environment to get better over time via reinforcement learning.

EDUCATION

Bachelor of Technology in Instrumentation and Control Engineering
National Institute of Technology, Jalandhar

2015 – 2019   *7.06 CGPA*

Class XII (CBSE)
Kendriya Vidyalaya AFS Sulur, Coimbatore

2013 – 2014   *93.2%*

Class X (CBSE)
Kendriya Vidyalaya AFS Amla

2011 – 2012   *9.8 CGPA*

SKILLS

C++ Machine Learning Image Processing

Algorithms Data Structures Public Speaking

ACHIEVEMENTS

Ranked third in the Techniti'15 coding contest code unlocked held at NIT Jalandhar

Captain of NITJ Basketball Club

Head of NITJ Music Club

Second runner up at All India Inter NIT basketball tournament held at MNIT Jaipur (2016)

Runner up at regional level basketball at KVS(Chennai Region)

COURSES COMPLETED

Machine learning
- Stanford University(Coursera)

CS-50
- Harvard University

SIDE PROJECTS

A variant of the infamous Pong game in Python, developed on CodeSkulptor framework with GUI.
http://www.codeskulptor.org/#user45_2QO3YlnlveF228a.py

INTERESTS

Machine learning Music Dota 2

Basketball Guitar Game bots Coding

Public Speaking Travelling Organising