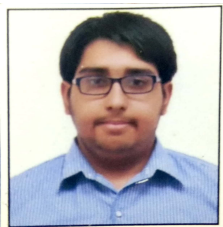# Anuj Trehan

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Career Objective

   The main goal of my career is to help people using Artificial Intelligence and Internet as in my opinion if these two can be combined and used correctly we can create wonders.Also I believe in the power of education and have a vision to empower everyone with right type of education.

Education

Deg./Sem	Institute	University/Board	Passing year	Perc/CGPA
Semester 2	B.V.C.O.E.	G.G.S.I.P.U.	2018	8.17
Semester 1	B.V.C.O.E.	G.G.S.I.P.U.	2017-18	8.037
AISSCE	St. Cecilias̈ Public School	CBSE	2017	92.4%
10th Board	St.Cecilias̈ Public School	CBSE	2015	9.4

Projects

1. **Music Generation With Deep Learning**:An LSTM based Seq2Seq neural network which is trained to predict the next note in a music played with piano.

2. **Image Generation With Deep Learning**:Vaious types of Autoencoders were used to generate images of some given kind.Includes normal and Convolutional Autoencoders.

3. **Lane Detection With Computer Vision**: An Pipeline was genrated wherein a video of a road is given and the lane lines are marked on the video where there are lanes.

4. **Neural Style Transfer**:A Convolutional Neural Network based approach wherein two images are given and the style of one image was overlayed on the other.

5. **Facial Expression Recognition With Deep Learning**: A Convolutional Neural Network was used to identify 7 different human Expressions based on the images of their faces used as input.

6. **Playing Games With Deep Learning**: A Deep Neural Network was trained to Play a game in openAI gym environment Lunar Lander.

7. **API for Deep Learning**: A simple Rest-API developed in Flask to send the response of the Image classifier to the user.

Training and Internships

- Attended Innovicon (AI conference Held at B.V.C.O.E.): 2-3 February 2019.

- Attended Google MLCC (at B.V.C.O.E.): October 2018.

- Attended Actions On Google Workshop series (at B.V.C.O.E.): July 2018.

- Attended Deep Learning Workshops (at B.V.C.O.E.): March-April 2018.

- Took the Convolutional Neural Networks Course offered by deeplearning.ai at Coursera platform(Audited).

- Attended Machine Learning Workshops organised by DSC in B.V.C.O.E: March 2018

Research Publications

1. Null

Technical Skills

- Languages Known: C++,Python

- Opensource Libraries used: Numpy,OpenCV,Tensorflow/Keras,PyTorch,Flask

- Operating Systems Worked upon : Windows and Ubuntu

- Version Control Systems used Git

Soft Skills

1. Event Management

2. Public Speaking

3. Tecnical Writing(Started a Blog Post for IEEE(SIG OF B.V.C.O.E.))

4. Leadership Skills.

5. Flexibility.

Extra-Curricular Activities

- Volunteering at NSS B.V.C.O.E.

- Volunteering at BVPIEEE

- Volunteered in hosting a competition "Plan For India"

- TechieBytes Medium Page for BVPIEEE

Co-Curricular Activities

1. Graphic Designing (Mainly posters and Logos)

Personal Details

Father's Name: Harish Trehan
Mother's Name: Bhawna Trehan
Gender: Male
Date Of Birth: 21 October 1998
Nationality: Indian
Marital Status: Single

References

- Ms.Rachna Jain(contact:- Rachna.jain@bharatividyapeeth.edu)

- Ms.Nikita Jain(contact:- Nikita.jain@bharatividyapeeth.edu)

DEclaration

I here by Declare that the information provided by me is true to the best of my knowledge.

Date

17 April 2019