Pujan Agarwal

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EDUCATION

SRM Institute Of Science And Technology　　　　　　　　　　　Chennai, India
B-Tech in Computer Science; GPA: 9.04　　　　　　　　　　　*Jul 2016– Dec. 2018*

Border Security Force　　　　　　　　　　　　　　　　　　Kadamtala, India
Class X11(CBSE); PCM- Percentage:89.4/100　　　　　　　　　*Aug 2015 – Jul 2016*

Border Security Force　　　　　　　　　　　　　　　　　　Kadamtala, India
Class X(CBSE); CGPA:9.8/10　　　　　　　　　　　　　　　*Aug 2013 – Jul 2014*

EXPERIENCE

Yugen Solutions　　　　　　　　　　　　　　　　　　　　Chennai
Summer Intern　　　　　　　　　　　　　　　　　　　　　*Jun 2019*
　　Built a cnn model for optical character recognition in which I was awarded with the best rookie award.

National University Of Singapore　　　　　　　　　　　　　Singapore
Summer Intern　　　　　　　　　　　　　　　　　　　　　*Jun 2018*

- **Big Data And Hadoop System Administration**: Hadoop is an open-source software framework for storing data and running applications on clusters of commodity hardware.Learnt the working of hadoop through the hands on session conducted by NUS University.
- **Artificial Neural Network**: Learnt about the working of neural networks,importance of cost functions,bias and practical implementations of it.I had also built an unsupervised machine learning model for movie recommendation system using restricted boltzman architecture in python and the data visualisation was done using R language(In a group of 5)

HPE　　　　　　　　　　　　　　　　　　　　　　　　Singapore
Summer Intern　　　　　　　　　　　　　　　　　　　　　*Jun 2018*

- **HPE Security**: Attended the lectures given by HPE instructors explaining the data security strategies and marketing terms.

Intellect Design　　　　　　　　　　　　　　　　　　　　Chennai, India
Design The Thiking　　　　　　　　　　　　　　　　　　　*Jul 2018 - Dec 2018*

- **Course**: I was one among the 30 selected from SRM to learn the various tools and techniques of design and thinking process.

PROJECTS

- **Home Automation**: Built a Convolutional Neural Network model to detect emotions.The emotions to be detected include happy, sad, anger, disgust, neutral etc.The input to the model can be both, an image or a video.The Second part of the project is used to control the colour of the light based on the emotion detected from the model.
- **MountainCar-v0 using Reinforcement Learning**: Programmed a simple code for Reinforcement Learning using OpenAi gym where the task was to move the cart to the flag,given the environment,and the agent itself learns from the environment and reaches the flag so as to get the reward,thus giving us the optimal solution for the task.

WORKSHOPS AND COURSES

- **Hackathon of Prayatna'19 Conducted By IIT Madras**: Participated in the hackathon event conducted by IIt Madras.
- **Android App Development Conducted By IIT Madras**: Attended the workshop on App developmet conducted by IIT Madras.
- **FluxGen Technologies And Pinnacle, SRM**: Attended the workshop on IoT-Arduino.
- **Deep Learning-Coursera** : Completed the Deep Learning Specialization course in coursera by Andrew Ng.
- **R Programming-DataCamp** : Completed the Intermediate level R programming course in Data Science Using R.

Programming Skills

- **Languages**: C++ , Java , R , Python , SQL
- **Web Development**: XML , HTML , CSS
- **Framework**: Tensorflow , OpenCV

Hobbies

- **Painting**: Completed 5 years of diploma course in art and painting.Awarded as the 'Best Student In Painting'(2014 and 2016-BSF School).
- **Acoustic Guitar,harmonica**: Good sense and knowledge of musical notes and instruments.