Prashant Gupta

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EXPERIENCE

B3DS, Noida — *Intern*

JAN 2018 - FEB 2018

Done a project based on prediction and analysis of breast cancer along with several visualisations.

Teknuance Info Solutions — *Research Analyst*

NOV 2017 - FEB 2018

Involved in building a cognitive intelligent system in which my role is to make a machine learning based library for automation of the whole process from preprocessing of datasets to finally applying an algorithm to get results.

Voilas — *Developer*

OCT 2017 - NOV 2017

Data collection and building REST API's. Used Selenium(Python) and Beautiful Soup for scrapping different websites.

EDUCATION

Qualification	Institute	Board/ University	Year of Passing	Percentage/ CGPA
B.tech.	JSS Academy Of Technical Education, Noida	AKTU	2019	77.7 % (till 5th sem)
12th	Jawahar Navodaya Vidyalaya, Auraiya	CBSE	2014	91.40 %
10th	Jawahar Navodaya Vidyalaya, Auraiya	CBSE	2012	9.2 CGPA

SKILLS

(Over 10000 lines of Code)

Python • C++ • C • HTML • LaTeX

Areas of interest:

- Machine Learning
- Deep Learning
- Computer Vision
- NLP

TOOLS AND LIBRARIES

Keras, tensorflow, OpenCV Scikit–learn, Numpy, Pandas, Spacy, NLTK, Seaborn

Django, Flask, Selenium, Beautiful Soup

Linux, Git

Achievements

• **1**st position in **Hack 2 Innovate** hackathon in **Samsung** and **Nvidia** rounds

• Among **top 10** teams in grand finale of **Smart India Hackathon**.

• Achieved **139 rank** in **Hackerearth** Predict the Criminal challenge among more than 10k participants.

PROJECTS

- **Time-series Prediction of Load Forecasting:**

    Accurate short term load forecasting at each hour is done, based on previous 4 years trend of load consumption. LSTM's are used for prediction on Kaggle dataset and finally the project is deployed on web using php. On the web portal, officers of electric utility can login and see their next hour load forecasting and other analysis.

- **Image Captioning:**

    Image captioning based on neural network (i.e. CNN+RNN). The model first extracts the image feature by CNN and then generates captions by RNN. CNN is VGG16 and RNN is a standard LSTM .

- **Distracted driver detection:**

    This project is built during a hackathon. On applying data augmentation and finally CNN over kaggle dataset, we were able to classify new images into safe, moderate or unsafe driving.

- **AI bot using Reinforcement learning:**

    Used open source Gym library for making AI Game Bot using Reinforcement learning. Bot itself learns how to balance itself.

- **Live Emotion Detector:**

    Used Kaggle dataset to recognize a person's expression into 7 categories .Used convnets to train the model and OpenCV to detect live faces .

- **Deep Dream:**

    Feature maps extracted at each layer of a neural network for an input image tells us about the understanding of the neural network. And based on this understanding, network can generate some interesting feature maps of any input image which is now-a-days considered as a neural art.

- **Character level language model :**

    Markov chains is considered to solve this problem . A model is trained on a text corpus in which it has 26 states for each character(English alphabet) and each state is assigned a probability according to the text. Hence most probable letter will occur more but not all the time.

Training

Advanced Machine Learning and Artificial Intelligence *(Coding Blocks Delhi)*

Co-curricular Activities

Dance • Drama • Yoga

• Volunteered in World Cultural Festival 2016 , held at NEW DELHI.

• Performed in cluster level yoga competitions held at JNV Etawah and JNV Mainpuri.

• Selected for Theatre workshop in school and also performed in JNV Bahraich ,UP.