JATIN GUPTA

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EDUCATION

Bharati Vidyapeeth's College of Engineering New Delhi *August 2016 - Present*
Junior Undergraduate Overall GPA: 7.49/10
Department of Information Technology

TECHNICAL STRENGTHS

Computer Languages C/C++, Python, Java
Software & Tools HTML, CSS, LaTeX

EXPERIENCE

IIIT Hyderabad June 2018 - August 2018
Research Internship

· Worked in the **Language Technologies Research Center** under **Prof. Manish Srivastava** on Text Summarization. Learned about neural networks, working and implementation of backpropagation, Seq2Seq model, training of the model ,and data loading and processing using PyTorch.

IIIT Hyderabad June 2018 - July 2018
Advanced Summer School on NLP

· **Summer School** lead by **Prof. Manish Srivastava** at **LTRC**, learned the working and implementation of sentiment analysis so that we can provide with better service based on their opinion or feeling, information extraction so only the useful information is provided to the user and machine translation so that we can communicate with not so popular languages and they can interact with us.

IIIT Hyderabad June 2018 - July 2018
Summer School on Social Computing

· **Summer School** lead by **Prof. Ponnurangam Kumaraguru**, learned how big is the internet network and how things work on the internet, understanding Social Network Analysis, Social Recommender Systems and Social Security and analysis things on social sites make it easy and better to use and recommending various things to them by study their activities and protect them from spam and fake things.

PROJECTS

Sentimental Analysis of Tweets Python

· The project aims to analyze customer's perspectives toward the critical to success in the marketplace. The program is using a machine-based learning approach which is more accurate for analyzing a **sentiment**; together with natural language processing techniques will be used. As a result, the program will be categorized sentiment into positive and negative.

Drought Prediction Python

· The random and nonlinear nature of drought variables makes accurate drought prediction a challenging scientific problem. The project builds a digital tool and a Machine Learning model to predict the water scarcity in an area and compare the results of several classifiers to get the best accuracy of the prediction. The procedure starts with getting the publicly available dataset, then fitting the dataset to different regression classifiers and obtaining the accuracy.

Hand Emoji Recognition and Generator Python

· This project consists of a hand gesture recognition method and emoji generator using TensorFlow object detection API for training, filters to detect hand and Convolutional Neural Network (CNN) for training the model. Here, a database is being created of hand gestures in order to train the system. The prediction will be based on the hand gestures and to capture the gestures to at most precision by training for various positions of the hand movement.

RELEVANT COURSES

Core Courses
Software engineering
Object oriented programming
Cryptography and Network Security
Database Management
Operation System
Advanced Computer Networks

Other Courses
Natural language processing (Stanford, Coursera)
CS50: Introduction to Computer Sc. (Harvard, Edx)
Data Structures and Algorithms (Stanford, Coursera)
Web Development (Codeacademy)

POSITION OF RESPONSIBILITY

Association for Computing Machinery *2016-2017*
Technical Executive BVCOE New Delhi

BVEST 2016 - Technical Fest *October 2016*
Event Manager BVCOE New Delhi

EXTRA-CIRRUCULAR

Programming Head Matrix (Computer Club of School) 2015-2016
Vice President Graffiti (Art Club of School) 2015-2016
Qualified for Indian National Olympiad in Informatics (INOI) among 238 out of 1180 2015
Qualified for Indian National Olympiad in Informatics (INOI) among 251 out of 850 2016