PIYUSH KATARIYA

Final Year, Computer Science and Engineering

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EXPERIENCE

Research Intern
Dr Vedika Gupta @BVCOE

📅 June 2021 – August 2021   📍 Paschim Vihar, Delhi

- Efficient Data Pre-Processing, Cluster Analysis, DB-Scan, K-Means, Mean-shift on Echo Chamber in Delhi Election 2020.
- Conducted literature research and developed novel system using Python to test the hypothesis.
- Prepared and analyzed weekly progress reports, conducted meetings, evaluated results for tolerance and influence power.
- Commended for strong analytical and report writing skills.

PROJECTS

Fake News Detection in Regional Language
Mini Project

📅 June 2021 - August 2021

- Build a fake news identification model for Hindi language which predicted with the accuracy of **95.01 %**.
- Assembled a labeled Hindi dataset with **24,000** news articles for automatic fake news detection.
- Tech used include NLP, HTML5, CSS3, JavaScript, and NodeJS. link

Multi-modal Emotion Analysis on COVID-19
Published: Elsevier

📅 June 2020 - January 2021

- Responsible for applying NLP on real-time tweets using Twitter API to perform emotional analysis on Indian tweets.
- Tech used are NLP, Twitter API, Web Scraping, and NodeJS. link

Real-Time Face Mask Detection
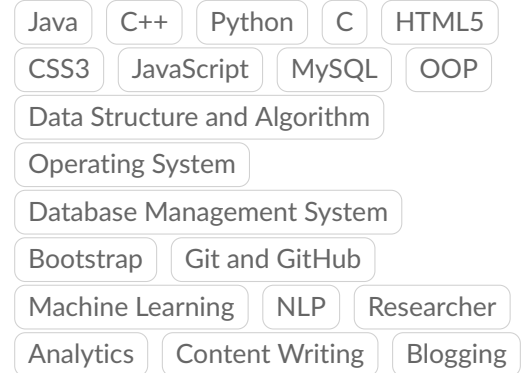**Summer Intern'19 @ BVCOE**

📅 June 2019 - August 2019   📍 Paschim Vihar

- Responsible for Dataset Collection, Cleaning, Augmentation, and Pre-Processing which resulted in a lightweight model giving an accuracy of **92.64 %** and an f1 score of **0.93 %**.
- Tech used are OpenCV, DNN, TensorFlow, Keras, MobileNetV2, and Webcam. link

ACHIEVEMENTS

- Achieved **1st** Position in **Pitch Perfect** Hackathon organised at VIT, Vellore 2020.
- Secured **3rd** Position in **HackDUCS** Hackathon Challenge at DU Hackfest 2019.

SKILLS

Java C++ Python C HTML5
CSS3 JavaScript MySQL OOP
Data Structure and Algorithm
Operating System
Database Management System
Bootstrap Git and GitHub
Machine Learning NLP Researcher
Analytics Content Writing Blogging

CERTIFICATIONS

Machine Learning and Deep Learning in Python
Coding Ninjas

📅 Issued July 2020   📍 Pitampura

Data Structures and Algorithms in Java
Coding Blocks

📅 Issued July 2019   📍 Noida

EDUCATION

B.Tech in CSE
BVCOE Delhi

📅 July 2018 – Present

CGPA(till 7th Sem) : 9.01

XII Board
Central Board of Secondary Education

📅 April 2017 – March 2018

Science(PCM), 89.2%

X Board
Central Board of Secondary Education

📅 April 2015 – March 2016

Science, CGPA: 10

PUBLICATIONS

- SSDMNV2: link
- An Emotion Care Model using Multimodal Textual Analysis on Covid-19: link