TARUN CHITTA

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EDUCATION

International Institute of Information Technology, Naya Raipur, *Chhattisgarh, India*
Bachelors of Technology in Computer Science *Aug. 2017 – Present.*
GPA:8.95/10.0

TECHNICAL SKILLS

Programming: Python, C, C++, Java, SQL
Operating System: Windows, Linux, MacOS X
Web Technologies: HTML, CSS, JavaScript, PHP
Areas of Interest: Data Mining, Machine Learning, Deep Learning, Big Data, Software Development

WORK EXPERIENCE

CGNetSwara (Powered by Microsoft Research), *Raipur, India*
Software Development Intern *Mar. 2020 – Jun. 2020*

- Worked on implementation of an IVR Poll and also customisation of Issue Tracker named GitLab as a CMS.
- Worked on customising the organisation's main website and also added some of the features in organisation's CMS (Content Management System).
- Implemented API of organisation using Flask framework.
- Worked on implementation of a Python based Program, which Automatically Updates the upcoming data from the Database to a Google Sheet.
- Visualised the entire data recorded during the lockdown phase (March 2020 to May 2020) in various plots.

Massachusetts Institute of Technology, *Cambridge, MA*
Research Assistant *Oct. 2018 – Jun. 2020*

- Implemented data collection pipelines and interactive visualizers for different social media platforms such as WhatsApp, ShareChat, Tiktok, Telegram, Instagram.
- Worked on implementing a Machine Learning model for identifying fact-checked images.
- Implemented a classifier for detecting violence related News-Articles.

PROJECTS

Network Traffic Classification using Deep Learning
Guide: Dr. Venkanna U *Jun. 2020 – Present.*

- Implemented a Bayes Neural Network Model, which can classify into nearly 10 different classes with 98% accuracy. The Traffic Classification data set provided by Cambridge University is used for developing the model.

Automatic Checkout using Deep Learning, *May. 2020 – Jun. 2020*

- Implemented a CNN based object detection model, which can detect the grocery items. Created a Web Application using Flask, HTML, CSS, Javascript and deployed it on the IBM Cloud platform.

E-Commerce Product Reviews Classification Using Big Data Approach
Guide: Dr. Srinivas Naik *Jan. 2020 – May. 2020*

- Implemented classifiers using Spark Framework. In this project, we created a Multi-Node Spark Hadoop Clusters using AWS EC2 instances, and then we used the Spark DataFrame for further processing. We used various classification algorithms and compared their Accuracies.

Twitter Sentimental Analysis
Guide: Dr. Vivek Tiwari *Jan. 2020 – May. 2020*

- Implemented sentimental analyser using various Machine Learning algorithms like SVM, Random Forest, Logistic Regression etc., and also by using various feature vectors such as TF-IDF, Word2Vec, CountVectorizer etc., and compared the results of all the various classifiers built.

Handwritten Telugu Character Generation using GANs
Guide: Dr. Ramakrishna Bandi *Jul. 2019 – Dec. 2019*

- Implemented Deep Convolutional Generative Adversarial Network (DCGAN) for generating Handwritten Telugu Language Characters.

ACTIVITIES & HONOURS

- Awarded with Certificate of Merit on completion of GESE Examinations conducted by Trinity College, London.
- Shortlisted as one of the meritorious candidates and awarded a complete tuition waiver scholarship by IIIT Naya Raipur for 4 semesters.
- Selected as the University representative (twice) by the IPAC and awarded with a Certificate of Excellence.
- One of the Skating with Hockey team member and got selected for playing at District level.