

DEEPESH SHARMA



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An upcoming engineer with realistic skills learnt by experience and desire to improve them to an expertise level.

Desires working with coordinating and energetic teams on upcoming projects for success.

EDUCATION

MAY 2021

B.TECH, IIIT KOTTAYAM

Pursuing bachelor in computer science and engineering.

MARCH 2017

INTERMEDIATE/+2, CENTRAL ACADEMY: - RBSE 76%

HONOURS PROJECT THESIS

FAKE NEWS DETECTION USING LSTM, JANUARY 2020- APRIL 2020

Guide: Prof. P. Victor Paul

Description: - Project involved building a model which can classify Fake news.

- Read research papers to gain understanding about different types of datasets and approaches to the problem.
- Performed data cleaning such as removing stop words, @mentions, #hashtags and emojis as they are not relevant for classification.
- **Data** analysis for sentiment polarity, skewness of data and frequency of the words in data.
- Trained Lstm based Deep learning model and used softmax activation function for classification.
- Got an accuracy of 99% on training data.

BTP THESIS

WEAPON DETECTION USING YOLOV3 AND YOLOV4-TINY, AUGUST 2020- NOVEMBER 2020

Description: - A weapon detector system for public place use.

- Created a custom dataset.
- Fine-tuned yolov3 and yolov4-tiny by training on custom dataset on google colab.
- Compared the results of both the models.

PROFESSIONAL EXPERIENCE

1/7/2020 – 1/9/2020

MACHINE LEARNING INTERN, VIDOOLY MEDIA TECH PVT. LTD.

We are working on classifying YouTube channels based on their videos and meta content as a safe channel or unsafe channel for brand advertising. I am responsible for handling the data, collecting more data, cleaning the data and combining the output of model.

28/5/2019 – 26/7/2019

SUMMER INTERN, RN IT INFOSOL PRIVATE LIMITED

AS A TEAM, WE DEVELOPED A CV SORTING ALGORITHM FOR THE COMPANY. WE WORKED ON PYTHON TO DEVELOP A SIMPLE SOFTWARE.

LEADERSHIP & MENTORSHIP EXPERIENCE

MESS SECRETARY, STUDENT COOPERATIVE MESS, IIIT KOTTAYAM

Led a team of 40 members; Elected representative of 300+ students of IIIT KOTTAYAM.

- Introduced Canteen services in IIIT Kottayam, which is controlled by mess committee.
- Also started a live canteen, recruited Cook and a supervisor to maintain it.
- Managed a total budget of 12+ million in total to provide proper hygienic food throughout the academic year.

SPORTS REPRESENTATIVE, IIIT KOTTAYAM

As a team we managed sports meet and various sports events of college.

- I was personally responsible to manage all the activities regarding Table tennis and Football.
- Also represented College in inter IIIT sports meet in Table tennis and football as player.

SCHOOL CAPTIAN, CENTRAL ACADEMY

Managed and conducted several school activities like sports meet, school fest, farewell, and etc.

PROJECTS

MEMORY GAME APP, FEB 2021

Description: - A memory game app where we can make our custom game with different images.

- Technology used:- Android studio, Programming with Kotlin, Firebase and Cloud Storage for Firebase.

DRAVIDIAN LANGUAGE SENTIMENT ANALYSIS, JULY 2020- AUGUST 2020

Description: - Classifying sentiment of Dravidian language using BERT.

- Read research papers to gain understanding about different types of approaches to the problem.
- Performed data cleaning such as removing stop words, @mentions, #hashtags and emojis as they are not relevant for classification.
- Preprocessed the data in BERT usable format, Fine tuned BERT model to classify data into 5 labels.

RELEVANT COURSES

Certified Coursera courses

Applied Machine Learning in Python(5 Courses), Tensorflow in practice(2 courses), Sequence model, Machine Learning by Stanford University.

SKILLS

- Front-End Dev:- HTML and CSS.
- Experience with machine learning algorithms and libraries:- Sci-Kit learn, Pandas, Numpy, TensorFlow, Keras.
- Programming : - Python
- Experience with Textual Data:- NLP.
- Fluent communication skills.

ACTIVITIES

- Part of mental health community dToks, as an Ambassador we conducted several surveys and helped spreading awareness about mental health.
- Active in all kind of sports, our football team won 3rd position two times in INTER IIIT sports meet.