

# Jatin Karthik Tripathy

NLP Enthusiast

Reaching beyond the norm; Life pursuit is to bring intelligent systems on par with humanity



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## EDUCATION

### Bachelor of Technology-Computer Science

Vellore Institute of Technology - AP

06/2017 - Present

9.06

### XII Boards CBSE

Suguna PIP, Coimbatore

06/2015 - 06/2017

76.2%

## WORK EXPERIENCE

### Project Team Lead - Data Science

Edutech Analysis Labs

06/2019 - 08/2019

- Building a desktop application using Python
- Web Scrapping to get the required information
- Python based GUI

### Research Intern

VIT-AP

02/2019 - 05/2019

- Application of DNN in the field of NLP for the implementation of a chatbot
- Researching into the different models used in the field
- Writing a Review Paper to cover all the topics

### Author

EFY Group

10/2018 - 01/2019

- Authored 3 articles
- 2 regarding the use of Processing.py for starting out on the field of computer graphics
- 1 regarding the commonly used free ML and DL resources available online and a quick guide on their usage

## SKILLS

Python

Machine Learning

Deep Learning

NLP

Data Analytics

Flutter

Web Scrapping

## PROJECTS

### Cyber bullying Sentiment Analysis

- Sentiment Analysis on textual data using fine tuning of the ALBERT-Large model. Accompanies the paper ALBERT based Fine-Tuning model for Cyberbullying Analysis"

### Recommendation System

- An anime recommendation system that uses makes a database from MAL website and recommends users according to their choices. Uses SVM for the recommendation system

### Rock-Paper-Scissor App

- An interactive electron desktop app built to accompany the paper "Pattern Prediction using LSTM and ReLU Ensemble" that allows the user to play live against the model.

### Drabble

- An android app meant for jotting down ones thoughts and drabble built using the Flutter framework. Uses Firebase for the backend database management and has client side AES encryption. Published to the Google Play Store

### FPP Block Jumper

- A First-Person Player, 3D block jumper game made using Processing 3.x made as a tutorial resource material for the OSFY Magazine

## RESEARCH

### A Review and Evaluation of Natural Language Processing Techniques (10/2020)

Work done as a part of Undergrad Research

### ALBERT based Fine-Tuning model for Cyberbullying Analysis (08/2020)

Accepted in Springer Multimedia Systems

### Pattern Prediction using LSTM and ReLU Ensemble (02/2020)

Accepted in ICICC - 2020 and published in SSRN

## LANGUAGES

English

Native or Bilingual Proficiency

Tamil

Native or Bilingual Proficiency

## INTERESTS

Guitar

Beatboxing

Reading

Writing