

# Lohith Krishna Kumar Katta

## Student

Has an open mind and a flair for interacting with people from diverse backgrounds. A curious and passionate individual, who is eager to learn and dive deep into the subject matter. Willingness to work in a fast-paced environment that encourages quick learning and an agile approach to tasks at hand, with a strong focus on innovation.



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## EDUCATION

### B.Tech PES UNIVERSITY

10/2020 - Present,

Bengaluru 7.72

### Pre-Engineering Tirumala Educational Institutes

05/2018 - 06/2020,

Visakhapatnam 9.44

## PROJECTS

### Cricket Score Analyzer (C Language)

- This model takes the required inputs from the user and calculates the player's strike rate, average, economy, and all other fields required, and gives the output in a CSV file.

### Markov Analysis

- A Markov Chain is analyzed for its properties like Stable State and after n successful transitions the probability to be in a state started from a given state and coded the above analysis in python.

### N-Bit Barrel Shifter

- A barrel shifter takes an input of an 8-bit binary number (or a decimal and converts it to binary) and gives the output after shifting by n places (left or right depending on the barrel shifter) in binary and decimal. This code is programmed in iverilog.

### An FTP Server

- A simple File Transfer mechanism is developed using python on the Linux platform. We have developed commands like connect, file transfer(non-persistent), close, quit, and chat.

### IPL Management System

- An SQL-based project with a front end where an admin can add or remove players, stadiums, and IPL franchises and a user can only view the same and a player (logged in as a user) can see his/her stats.

## CAPSTONE PROJECT

### Sports Video Summarization Bengaluru

01/2023 - Present,

#### Description

- This model will be able to generate video highlights. This model uses multi-CNN techniques for video segmentation, 3D ResNet for feature extraction, and LSTM based Attention Layer along with a Bio-Inspired Algorithm to generate the final highlights.

## SKILLS

Python

DataStructures and Algorithms

## CERTIFICATES

AWS Cloud Computing 101 (02/2023 - 04/2023)



## LANGUAGES

English

Full Professional Proficiency

Telugu

Full Professional Proficiency

Hindi

Professional Working Proficiency

## INTERESTS

Reading

Logical Puzzles/Games

Badminton