

# Neerukonda Venkata Srinivas

Final Year | Computer Science Engineering | IIT Jodhpur  
venkatasrinivasneerukonda@gmail.com | neerukonda.1@iitj.ac.in | +91-9966099296

## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE

Current CGPA:7.33/ 10

2020 - Present | JODHPUR |INDIA

### TIRUMALA JUNIOR COLLEGE

CLASS 12 | BIE AP

Marks : 967/1000

2018 - 2020 | RAJAHMUNDY |

ANDHRA PRADESH

### TIRUMALA PROACTIVE (EM)

HIGH SCHOOL

CLASS 10 |BSE AP

CGPA : 10/10

2017 - 2018 | RAJAHMUNDY |

ANDHRA PRADESH

## SKILLS

### LANGUAGES

• C • C++

•Python • Verilog

### DEVELOPMENT

• HTML • CSS • Django

### MACHINE LEARNING

• Scikit-Learn •Numpy •Pandas

### OTHERS

•SQL •Embedded C •Wireshark

## LINKS

GitHub:// [Venkata srinivas](#)

Greeks for Greeks://[Venkata srnivas](#)

[Leetcode](#):// [Venkata srnivas](#)

LinkedIn:// [Venkata srinivas](#)

## COURSEWORK

### UNDERGRADUATE

•Data Structures and Algorithms

•Operating systems

•Database Systems

•Computer Networks

•Software Engineering

•Optimization in machine Learning

•Computer Architecture

•Design and analysis of algorithms

•Cyber Security

•Principles of Programming

Languages

•Embedded Systems

•Maths For Computing

## PROJECT WORK

### HYBRID MEMORY ARCHITECTURE FOR LLC January 2023 - June 2023

Guide - Dr.Palash Das

- Designed a hybrid cache with the replacement of unused blocks at the last-level cache (LLC) using the Champsim simulator.
- Hybrid Cache** is designed, with ways assigned to volatile (SRAM) and non-volatile (STT-RAM) memory in a ratio of 1:3.
- Implemented a **Block Replacement** strategy using a Priority Queue for replacing unused dead blocks from the least used sets in the Last-Level Cache.

### DIGIT RECOGNITION ON ANDROID DEVICES Embedded Systems

April 2023 - May 2023 | Course Project | [Project Link](#)

- Developed a digit recognition app using TensorFlow and CNN models (MobileNet, VGGNet) trained on MNIST data.
- Converted the TensorFlow model into a TFLite format for efficient deployment on various devices.
- Tech-stack : **Tensorflow,Pandas,NumPy,Matplotlib**

### TOXIC COMMENT CLASSIFICATION Machine Learning

April 2022 - May 2022 | Course Project| [Project Link](#)

- Built a machine learning model using python which classifies the comments on social media into different categories of toxicity
- Built an end-to-end pipeline which performs NLP(natural language processing) and trains the machine learning model.
- Tech-stack : **Sklearn,NLTK,Wordcloud,Pandas,Pickle**

### SCAN CHAIN DIAGNOSIS January 2022 - April 2022

Guide - Dr.Binod Kumar

- Developed a deep learning model using CNN which predicts the position (Coordinates) of scan chain where failure has occurred using regression technique.
- Built and trained models using python's tensorflow library. Also tested and evaluated the models on different datasets.
- Tech-stack : **Tensorflow, keras, Pandas, Sklearn, Pickle**

### NOTECRAFT: CREATING AND ORGANIZING NOTES Software

Engineering | March 2022 - April 2022 | Course Project | [Project Link](#)

- Demonstrated expertise in web development, Python, Django, and database management while ensuring responsive design.
- a Django-based note-taking website with user account functionality. Created an intuitive interface for note creation and organization, prioritizing user experience.
- Tech-stack : **Django, Html, Css**

## ACHIEVEMENTS

2020 **top 0.1 percentile**

JEE-2020 (Out of 12 Lakh Applicants)

2020 **122<sup>th</sup> rank**

AP EAMCET (Out of 2 lakh people)

## OTHER WORKS AND INTERESTS

•Programming •Problem Solving •playing Chess