

# Kirushikesh DB

Cyber Security Intern

## EXPERIENCE

### ICU Medical India, Chennai — *Cyber Security Intern*

May 2021 - PRESENT

Build a Named Entity Recognition Model for identifying 7 named entities from vulnerability description.

Build an Ensemble of Naïve-Bayes using Local classifier per Node strategy and an Ensemble of Content-Based Ranking and Neural Networks for solving a Multi-label Hierarchical DAG with NMLNP (non-mandatory leaf node prediction) classification problem of vulnerability description.

## EDUCATION

### PSG College of Technology, Coimbatore – *M.Sc. Theoretical Computer Science*

May 2018 - June 2023

8.47 CGPA

## PROJECTS

### Social Distance Detector

Mar 2021 – Apr 2021

Build a model with YOLOV3, OpenCV, and Keras for monitoring social distance in public. The model calculates different violation limits such as abnormal violation and serious violation of social distance.

### Campus Recruitment Prediction

Nov 2020 – Dec 2020

Analyzed and build a machine learning model using Scikit-learn to find whether the candidate has a chance of getting recruited or not. The model was interpreted using XAI and deployed in Heroku.

### Spatial Indexing

Aug 2020 – Sep 2020

The application was developed with data structures R trees in C++. Handling various types of objects and process complex queries effectively and enhancing the visualization using OpenGL.

### Pwned Password Detection

Mar 2020 – Apr 2020

An application developed with Python. Analysis of several Probabilistic data structures for detecting Breached Passwords. The application was deployed in Heroku for real-time detection.



## SKILLS

Python, C++, Machine Learning, MySQL, Deep Learning, Data Structures and Algorithms, TensorFlow, OpenCV, YOLO, Computer Vision, NLP, NLTK, XAI.

## AWARDS AND CERTIFICATES

Awarded 8<sup>th</sup> in the intra-college Math Olympiad.

Awarded 1<sup>st</sup> in the intra-college coding contest.

Awarded 2<sup>nd</sup> in coding event conducted by Sri Krishna College of Technology.

Completed An Introduction to Practical Deep Learning course by Intel at Coursera.

## LANGUAGES

English, Tamil, Telugu

## CONTACT

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