

ABSTRACT

NAME: PRERNA JAIN

ENROLLMENT NO.: 20314802716

BRANCH: COMPUTER SCIENCE ENGINEERING

YEAR: THIRD

FIELD: MACHINE LEARNING

- **KNOWLEDGE**

I have recently completed a course in MACHINE LEARNING from Coding Blocks. I learned various Supervised and Unsupervised algorithms, methods and ways (like PCA, SVM, Decision trees, K-Means, KNN). I acquired the knowledge about Neural Networks (NN, RNN, CNN) that how they work, how to implement them.

I have done face detection, recognition, image processing like extracting major component colours from images, applying effects like sharpening , blurring of image, merging of images and more.

Also I have made a project in which I have done video processing, in which a video plays and displays the name of people appearing in that video by making a rectangle around their face.

I have also done WEB DEVELOPMENT with backend in NODEJS. I have command on HTML, CSS, javascript, bootstrap, hbs. I can authenticate people to provide security. I have worked on SQL and have basic knowledge about MongoDB and Postgress databases. I have done 2-3 small self-projects also.

- **ACHIEVEMENTS**

University rank 2 and college rank 2 in 2nd year, CSE branch.

College rank 2 in 1st year, IT branch.

- **FUTURE PLANS**

I am aiming to do more in the field of Machine Learning. I want to write Research Papers and explore this field in details. I want to read and learn as much I can about the new developments and researches. As the advancement in the area of image processing is going on, I wish to grasp the most and also contribute towards it. Improvement in RCNN papers is great and I want to dig deep in that too.