

# Loveleen Amar

B-290 NH-3 RIHAND NAGAR NTPC COLONY – UTTAR PRADESH(231223)

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## EDUCATION

**Bachelor of Technology (B.Tech), Computer Science & Engineering**  
*International Institute Of Information Technology, Naya Raipur, Chhattisgarh*

**SGPA(5th sem: 9.45)**  
(2017 - 2021)

**XII (Senior Secondary), Science, CBSE Board**  
*St. Josephs' School , Rihand Nagar*

**Percentage: 95.8**  
2017

**X (Secondary), CBSE Board**  
*St. Josephs' School , Rihand Nagar*

**CGPA: 9.8**  
2015

## ACADEMIC PROJECTS

**Reconstruction of perceived images using ProGAN**

*Currently working*

- Used ProGAN model. EEG signals from 128 different portion of the brain is being used. Whatever image the person perceives will be reconstructed.
- Working with ImageNet. GoogLeNet will be used for optimizing the EEG feature extraction.

**EEG classification using Sequential Network**

*Jan 2020- Mar 2020*

- EEGs are signals generated by our brain whenever any activity is performed. The dataset used here consist of signals corresponding to the images seen by any person.
- Long Short Term Memory network has been used to classify those signals into corresponding object to which it belongs.

**Object Detection App**

*Jul 2019- Dec 2019*

- Using the rear camera of android phones user will be able to detect the objects present in the clicked or uploaded image. Result can be obtained in JSON or image format as per user's choice
- Django is used in backend, YOLO algorithm is used for building object detection model.

**Network Classification using Deep Learning Concept**

*Jan-May 2019*

- Used 1D CNN to classify different types of Internet Traffic classes.

**Sentiment Analysis using Naive Bayes classifier**

*June 2019*

- Classifies the sentiment of the user based on the text entered by him/her as positive/negative.
- Concept Of Naive Bayes is being used.

**Training And Placement Website for IIIT Naya Raipur**

*Jan 2019 - Apr 2019*

- It is Training And Placement Website for International Institute of Information Technology Naya Raipur.
- Front end done using HTML, CSS, Javascript, jQuery, Bootstrap. Backend done on PHP.

**Audio Compression using MATLAB**

*Jul 2018 - Dec 2018*

- This will compress the size of any audio file (like .wav, .audio, .mp3 etc). The main function used here is the DCT and IDCT. But this will compress the file to less extent so we further used bit rate concept too.

**YelpCamp Website-Campground location website**

*Jan 2018 - April 2018*

- Built using Node.js in backend. User can view different campground locations. They can also add new campground locations and delete the location if they want.

**Voice Control Wheel Chair Protocol Using Arduino**

*Oct 2017 - Dec 2017*

- Based on the voice of the patient the wheel chair will move accordingly. The command where left, right, forward, backward. The programming on arduino was done so as to move the chair according to the commands given.

## TRAINING AND EXPERIENCE

- Currently learning Deep Learning algorithms course by the One Fourth Labs founded by IIT Madras faculties.
- HPE Summer training on Machine Learning & Deep Learning, Ardent Institute, Kolkata.
- Worked on ML algorithms with reference to ML course on udemy. This course includes various complex machine learning theory, algorithms and coding libraries in a simple way in python.
- Online course on Web Development on udemy. Boot Camp on by Colt Steel.
- Worked for making Web page for TSOC (The Society Of Coders) of IIIT Naya Raipur.
- Core member of Merchandiser and Curator of the Training and Placement Cell of IIIT Naya Raipur.

## POSITIONS OF RESPONSIBILITY

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- Senior Member of TSOC(The Society Of Coders) club of IIIT Naya Raipur.
- Core Team of TNP(Training and Placement Cell) of IIIT Naya Raipur.
- Member in Website Designing team in Technovate 2017
- Volunteered in Hack D Unhacked',Central India's Largest Hackathon (hackathon competition ) and Wolf Of Web Streets(web-designing event), in our college fest Technovate 2017.
- Member of the Front end development Team in TSOC club.
- Showcased and demonstrated the project "Voice Control Wheel Chair Using Arduino" to various school students in ScientFic 2017 organised by IIIT Naya Raipur.
- Achieved the post of POWER ANGEL (Women Power Line) by Uttar Pradesh Government
- School Vice Captain for Sashtri house (in 2015)
- School Captain for Sashtri house (in 2016)

## SKILLS AND KNOWLEDGE

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- Languages: Python, C++, C, Java, HTML, Javascript, JQuery, CSS, Bootstrap, SQL.
- Worked on websites in Node.js. Novice in Django framework and Flask tool.
- Worked on Machine Learning algorithms.
- Researching and learning about different Deep Learning algorithms.
- Knowledge of Web development including Frontend and Backend.
- Softwares and tools: MATLAB, Arduino, NI-Multisim, Wireshark, Cloud9 , Oracle VM virtualBox.

## AWARDS AND ACHIEVEMENTS

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- Got conference paper published at ICIT 2019 on Internet Traffic Classification using 1D CNN.
- School Topper in CBSE 12th Board.
- 1st position in 3D-Collage making competition held in JOSEPHEST at Allahabad
- 3rd position for Group-Creativity in Josephest.
- Best turnout award in parade.
- Intra-School Badminton tournament Runner-up.
- 1st position in Techno-Cultural Fest of IIITNR in Web-App Development event(Made Training and Placement website).