

Education

- **UIIT, Himachal Pradesh University** Shimla ,India
B.Tech in Computer Science and Engineering; Percentage: 76.14%
Aug.2016- July 2020
- **Career Academy Senior Secondary School** Nahan(HP) ,India
HPBOSE : 83.4%
April 2014 – April 2015
- **Carmel Convent School** Nahan(HP) ,India
ICSE: 70.4%
April 2012 – April 2013

Projects

- **Deep Learning Implementation in Cryptography (Research)** Deep Learning
Scientist E Girish Mishra (DRDO)-SAG, New Delhi, India 02 Jan. 2019 -20 Feb. 2019
 - **Objective:** To predict the next random bit generated by the Trivium Stream Communication Cipher using **Deep Learning**.
 - **Technology:** Long Short Term Memory (LSTM) Neural Network using **tensorflow, keras** in **Python** using **Google Colab**.
 - **Responsibilities:** 1. Generate data from Trivium Algorithm.
2. Make data into desired model trainable format.
3. Visualising the data.
4. Training model and fine-tuning parameters for making predictions
 - **Result:** Random bit prediction with accuracy of **55-57%** was made after some fine tuning of LSTM model.
- **Multiple Object Detection** OpenCv and CNN(Deep Learning)
Dr. Rajesh Chauhan ,HP Univ. March/Aug. 2019
 - **Objective:** To create a multiple object classifier.
 - **Technology:** Convolutional Neural Network(CNN) and **OpenCV** in Python.
 - **Responsibilities:** 1. Generate Data using Webcam.
2. Scale Data to 28*28 and grey scale.
3. Feed data to CNN and fine-tuning of network.
- **Landslide Prediction Model (Currently Working)** Deep Learning
Dr. Deepak Kumar Pandey, Deputy Inspector General, ITBP, NDRF spokesperson Aug. 2019
 - **Objective:** To predict Landslides before they happen.
 - **Technology:** I choose Simple feed forward forward Neural network with some fine tuning(maybe changed later).
 - **Responsibilities:** 1. Create an approach for real life problem.
2. Create Trainable Dataset.
3. Select and train model.

Certificates/ Training /Internship

- **Implementation of Deep Learning in Cryptology** DRDO
- **WADL-2019** IIT Mandi
- **Workshop on Big data and Hadoop** Itronix Solution
- **Data Structure and Algorithms applied Workshop** UIIT

Position of Responsibility

- **Music Club Coordinator**
- **Technical Team Member**
 - Designed College websites front end using HTML and CSS.

Relevant Coursework

- **CSE:** DS and Algo. ; OS ;DBMS; Computer Networks; Computer Org.; POPL.
- **Machine Learning:** Computer Vision (OpenCv); Deep Learning (Feed Forward Neural Networks, CNN, RNN, LSTM, Generative Models).

Programming Skills

- **Languages:** C, C++, Python, Core Java.
- **Web Dev.:** HTML,CSS,JavaScript.