

# KRITIKA SAINI



Delhi, India



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## EDUCATION

YEAR	UNIVERSITY/SCHOOL	DEGREE/CERTIFICATE	PERCENTAGE/CGPA
2021	Delhi Technological University	B. Tech (Electronics and Communication)	8.78
2017	Jain Bharati Mrigavati Vidyalaya	Class XII (CBSE)	96.2%
2015	Jain Bharati Mrigavati Vidyalaya	Class X (CBSE)	10

## SKILLS

- Machine Learning
- Data Science
- C++, C
- Deep Learning
- Python
- HTML
- Natural Language Processing
- Data Structures
- MATLAB

## ACADEMIC PROJECTS

### EMOJI PREDICTION

- Build an LSTM based project to predict the most appropriate emoji in a given sentence
- Achieved **82.14** percent test accuracy on 100+ test sentences.

### REAL TIME FACE RECOGNITION

- Designed a real time face recognizer to identify the face of a person from a video frame
- Programmed using Haarcascade, Open cv and basic Machine Learning Algorithm

### HANDWRITTEN DIGIT GENERATION

- Implemented a **GAN** (Generative Adversarial Network) based model to fabricate MNIST handwritten digits from noise

### ACTIVITY RECOGNITION

- Designed an autonomous surveillance system to intelligently detect any unusual activity from real time video frames.

## ACHIEVEMENTS AND AWARDS

- Successfully completed **Advance Machine learning** course (2019) certified by Coding blocks.
- Awarded the Academic **Scholarship** of Rs 9,600 for outstanding result in class 10<sup>th</sup> and a Scholarship of Rs 12,000 for excellence in class 11<sup>th</sup>
- Received **four Scholar Trophies** for academic excellence in various fields (2014-15)
- Awarded the **Academic Topper award** in Chemistry (2016-17)

## POSITIONS OF RESPONSIBILITY

### MEMBER OF RESEARCH TEAM, DSAD (DTU)

2019-20

- Co-ordinated in Machine Learning research projects of Digital System Architecture and Design (DSAD), Research Group of DTU.
- Worked on Software implementation of **Character-based CNN LSTM model and Sub-Word Hierarchical Attention Network** for Hindi-English code mix data.

### CHIEF ENGLISH EDITOR, SCHOOL PREFECTORIAL BOARD

2016-17

- Formulated numerous news reports and supervised publications of various articles in the school magazine
- Oversaw the content and quality of magazine publication and planned the feature section of the magazine with teacher in-charge.

## EXTRA CURRICULAR ACTIVITIES

- Represented my school at Times NIE challenge in the presence of **Punit Jain, Senior Vice President of The Times of India**.
- Secured **2<sup>nd</sup>** rank at state level Essay writing competition.
- Secured **1<sup>st</sup>** position in various group discussions/debate competitions at school level.
- Volunteered at **Leaders for tomorrow (LFT)**, social welfare society of DTU in various social services.
- Successfully completed Youth Empowerment Seminar (**YES+**) certified by AOL.
- Certified as the **Dignity ambassador of Global Dignity Programme** by Fortis healthcare for spreading health awareness.