

# Harshit Chauhan

hchauhan012@gmail.com | +91 9311136744

## EDUCATION

### MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

B.TECH | INFORMATION TECHNOLOGY  
Expected Aug 2020

### MODERN DELHI PUBLIC SCHOOL

Grad. May 2014 | Haryana, India

## LINKS

Github:// [Exoper](#)

LinkedIn:// [harshit-chauhan](#)

Medium:// [@hchauhan012](#)

## COURSEWORK

Coding Blocks Machine Learning  
CS231N - Stanford Univ.

Udacity Pytorch Deep Learning

Machine Learning, MOOC, CalTech

Algorithm and Data Structure, Coursera

Intro to Stats - Udacity

### UNDERGRADUATE

Computer Fundamentals

Operating Systems

Software Engg. + Practicum

Functional Programming

DSA + Practicum

## SKILLS

### PROGRAMMING

Languages

Python • Java • JavaScript • C++

HTML • C#

Libraries & Frameworks

Pytorch • Keras • Tfjs • OpenCV

• Pandas • Scikit-Learn • Psychopy

• Ubuntu • NLP • Computer Vision

Familiar:

Flask • Flutter • Unity 3D

• Arduino Programming

## EXTRA-CURRICULAR

Organizer| Mentor,HackMSIT,2019

2018 ,Semi-Finalist, Decathlon Cricket

League

2018 ,Organizer,Feet-o-fire (Street Dance

event) ,Enva 2018, MSIT,Delhi

2017 ,Winner.Avensis Cricket Tournament

, MSIT, Delhi

## EXPERIENCE

### HMI LAB,IIIT - DELHI | RESEARCH ASSISTANT

July 2019 – ongoing

- Working under Assist. Prof. Jainendra Shukla in HCI related projects.
- Eye Tracking and Analysis using Statistical Machine Learning models.
- Engagement analysis using Multi-modal DL based techniques.

### CODING BLOCKS | UNDERGRADUATE TEACHING ASSISTANT

June 2019 – July 2019

- Teaching Assistant for the Machine learning with python course at coding Blocks, Dwarka.

### IEEE - MSIT | MACHINE LEARNING MENTOR

Oct 2018 – ongoing | MSIT, New Delhi

- Mentor and head of a Self Interest Group for teaching Machine Learning to students , conducted by IEEE - MSIT .

## PROJECTS

### WEBCAM BASED EYE TRACKER ANALYSIS | DEVELOPER

Oct'19 – Dec'19

A low cost webcam based eye tracker using open-source eye region localization model GazeML and regression model for mapping on-screen gaze position to eye visual angles

A complete pipeline for preprocessing of the raw gaze data into fixation,smooth pursuit,saccades, along with heatmap visualization and scanpaths.

### YOGAI | DEVELOPER

Oct 2018 – Nov 2018

A Posenet Based Yoga AI instructor, creating a stick figure in a stimulus and then suggesting the required adjustments.

## PUBLICATIONS

### ENGAGEMENT ANALYSIS OF ADHD STUDENTS USING VISUAL CUES FROM EYE TRACKER | 22ND ACM ICMI 2020

Co-authors : Anmol Prasad, Jainendra Shukla

## AWARDS

2020	Participation	RISE Poster Presentation   IIIT-Delhi
2019	Shortlisted	Medhacks   John Hopkins University
2019	SIG Mentor	IEEE-MSIT   Letter of Appreciation
2019	2 <sup>nd</sup>	Technical Project Exhibition, IEEE
2019	2 <sup>nd</sup> /287	HackDTU 3.0 , DTU , New Delhi
2018	2 <sup>nd</sup> /50	Hack-ok-please! ,NSUT, New Delhi
2018	Scholar	Facebook Udacity Pytorch Scholar