

# R HARI SHANKAR

JUNIOR UNDERGRADUATE,  
COMPUTER SCIENCE AND ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY, DELHI

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## ACADEMIC DETAILS

DEGREE/EXAM	CGPA	INSTITUTION	YEAR
B.Tech, Computer Science	9.353/10	IIT DELHI	2019-2023(expected)
Class XII, CBSE Board	96.8%	DPS Vasant Kunj	2019
Class X, CBSE Board	10/10	DPS Gurgaon	2017

## SCHOLASTIC ACHIEVEMENTS

- Joint Entrance Examination (JEE) **Advanced** Rank: 1056 (out of 1.7 lakh candidates).
- Joint Entrance Examination (JEE) **Main** Rank: 485 (out of 12 lakh candidates)
- **Kishore Vaigyanik Protsahan Yojana (KVPY), 2018** : Awarded this scholarship by the Department of Science and Technology, Government of India.
- **Dhirubhai Ambani Scholarship Award 2019**
- **Inspire Internship**: Awarded Most original and innovative idea, this Internship was held by Department of Science and Technology.

## PROJECTS

### 1) Tele-Teaching Solution using ML and NLP:

- **Duration**: April 2020 – ongoing
- Aims to reduce the data consumption of users and provide learning opportunities to students living rural areas having low data
- Designing an interface incorporating speech, video and whiteboard technologies into one program.
- Using ML and NLP to enrich the subtitle content and to provide notes and formulas after every lecture.

### 2) Drowsiness-Detection for Self Driving Automobile:

- **Duration**: June 2020
- Using computer vision techniques to detect facial landmarks and eye aspect ratio.
- It is based on the technique of facial landmark detection that localizes key facial structures on a face including the eyes, nose, mouth and jawline.
- The eyes' aspect ratio determine if the eyes are closed. If the eyes have been closed for a sufficiently long period of time the program sounds an alarm to grab users attention.
- Project link: <https://github.com/r-hari-shankar/drowsiness-detection>

## RELEVANT COURSES

- **ONGOING**: Introduction to computer science, Calculus, Web Development (from coursera), NLP (from Stanford-Youtube channel),
- **COMPLETED**: Linear Algebra and Differential Equations, Machine Learning (from coursera).

## TECHNICAL SKILLS

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- **Programming Languages** : C,C++,Python, Java, HTML, CSS, Javascript, SQL
- **Softwares and Frameworks** : Octave ,Netbeans ,Turbo C++, Tensorflow , Autodesk, OpenCV ,Keras , Selenium

## WORK EXPERIENCE

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- **ACADMAZE**
  - Intern: Digital Marketing and content creation (operations)
  - Duration: May 2020

## EXTRA-CURRICULAR

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- Event Organizer :ACES-ACM club
- Model United Nations: THSMUN: Best Delegate in AIPPM committee  
Utopia MUN: High Commendation in AIPPM committee  
ShisMUN: Special Mention in Cabinet Committee
- Member of the SheCodes volunteering team under NSS (National Service Scheme) .  
SheCodes is a organization aiming to help women to learn coding to access a new career in technology.

## HOBBIES

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- Competitive Coding
- Swimming
- Binge Watching