Varun Grover

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# EDUCATION

## MANIPAL INSTITUTE OF TECHNOLOGY BANGALORE – Bangalore, India Oct 2021 - Present

**Bachelor of Technology**

* Computer Science and Engineering (specialization in Artificial Intelligence)
* Currently studying in 3rd Year- 6th Semester
* Current CGPA 7.92/10.00

**Ryan International School**– Chandigarh, India **Jun 2019 - May 2021**

## Central Board of Secondary Education (CBSE)

* Subjects - English, Mathematics, Physics, Chemistry, Physical Education
* Std XII- Marks Obtained - 88.4%
* Std X – Marks Obtained – 92.2%

# PROJECTS

**Project on ASL Recognition** **Sept 2023 – Dec 2023**

* Develop an ASL recognition system using Python and Mediapipe.
* Guided by a University Faculty with expertise in AI and Computer Vision.
* Technology used -Utilizing Python and Mediapipe for hand tracking and pose recognition.
* Enhancing communication accessibility through real-time ASL recognition.

**Project on Facial Expression Recognition** **Sept 2023 – Dec 2023**

* Prediction of emotion from facial expression in live captured video
* Technology used- Implementation of Haar Cascade Classifier for predicting among 7 expressions using Python

**Project on Image Enhancement**  **Sept 2023 – Dec 2023**

* Image Enhancement of Low- Light Images using the LOL Dataset
* Technology used- Implementation of a Retinex-based Deep Learning Model using Python

**Project on Natural Language Processing Application** **Sept 2023 – Dec 2023**

* Web application for summarization of the given excerpt of text
* Technology used- Implementation of Summarization using NLP methods and, SpaCy and Flask Library using Python

# ACTIVITY

**Member – Codex, MITB** **Nov 2021- Oct 2022**

* Provided leadership to the growth and activities of the club

**Member – NueraAI, MITB** **Nov 2021- Jan 2022**

* Provided leadership to the growth and activities of the club

# ADDITIONAL

* Technical Skills: Python, Java, C, HTML, CSS, Verilog, SQL
* Language fluency: English, Hindi, Punjabi
* DOB – 29th April, 2003