

# Sneh Sagar

Harda, Madhya Pradesh, India

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## Skills

<b>Programming</b>	C, C++, Python
<b>Front-end</b>	HTML, CSS, JavaScript, ReactJS
<b>Frameworks</b>	React-Native, Tensorflow
<b>Tools/Platforms</b>	GitHub, VS-Code, Google-Colab
<b>Other</b>	My SQL, Embedded Board Development
<b>Languages</b>	English, Hindi

## Education

### Kalinga Institute of Industrial Technology

*Bhubaneswar, Odisha*

B.TECH. IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

*07/2017 - Present*

- 9.19 CGPA

### Holy Faith Child Red Cross H.S. School

*Harda, Madhya Pradesh*

HIGHER SECONDARY

*07/2014 - 05/2016*

- 89.2%

### The Hukumchand Memorial Co-Ed School

*Harda, Madhya Pradesh*

HIGH SCHOOL

*07/2013 - 05/2014*

- 89.3%

## Projects

### SUDOKU SOLVER ANDROID APP

- Developed an Android Application with React-Native.
- Implemented a newer mixed algorithm which can extract Sudoku Puzzle from an image.
- Implemented algorithm is faster and accurate than most of the existing algorithms.
- Implemented backtracking and combination based algorithms to solve extracted Sudoku.

### NEURAL STYLE TRANSFER WEB APP

- Implemented the research paper "Perceptual Losses for Real- Time Style Transfer and Super-Resolution" by Johnson et al.
- Developed an Web Application with ReactJS Front-end.
- Trained a Neural Network which can manipulate digital images in order to adopt the appearance or visual style of other images.
- Deployed the trained model on a Flask Server.

### ALERT SYSTEM FOR MAINTAINING SOCIAL DISTANCING AND FACE MASK DETECTION

- Created a solution to identify if people are wearing face masks and following social distancing norms.
- Used state of art algorithm YOLO (You Only Look Once) Version 4 to generate the deep learning model.
- The platform can generate notifications to warn if anyone is found violating norms.

## Honors and Positions

2015 **2nd Position**, Global Humanitarian Technology Exhibition - 2015

2018 **Member**, KIIT Robotics Society

## Certifications

- **Machine Learning**
- **Deep Learning Specialization**