Sneh **Sagar**

Harda, Madhya Pradesh, India

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Skills

Programming	C, C++, Python
Front-end	HTML, CSS, JavaScript, ReactJS
Back-end	Flask, Node.js, JAVA
Frameworks	React-Native, Tensorflow
Tools/Platforms	GitHub, VS-Code, Google-Colab
Other	My SQL, Embedded Board Development
Languages	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 Application

- Developed an Android Application with React-Native.
- Application can extract Sudoku Puzzle from an image using Machine Learning algorithms in order to solve it.
- Implemented algorithm is faster and accurate than most of the existing algorithms.
- Implemented backtracking and combination based algorithms to solve extracted Sudoku.

FinTech B2B Order Management Application

- Developed an Web Application with ReactJS and JAVA backend.
- Developed order dashboard with different user level login capability.
- Implemented dynamic search, pagination, add and edit features for order management.
- Designed responsive and interactive dynamic web pages.

Neural Style Transfer Web Application

- Implemented a research paper by developing a Web Application with React-JS.
- 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 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**