



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

B.TECH. IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING

- 9.19 CGPA

Bhubaneswar, Odisha

07/2017 - Present

Holy Faith Child Red Cross H.S. School

HIGHER SECONDARY

- 89.2%

Harda, Madhya Pradesh

07/2014 - 05/2016

The Hukumchand Memorial Co-Ed School

HIGH SCHOOL

- 89.3%

Harda, Madhya Pradesh

07/2013 - 05/2014

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**