

# VISHWAS SAINI

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## EDUCATION

Indian Institute of Technology(IIT) Mandi

November 2020 - Present

Bachelor of Technology in Computer Science & Engineering (II Year)

CGPA: 8.51/10

## LANGUAGES AND TECHNOLOGIES

**Programming Languages:** C++, Python, JavaScript, HTML, PHP

**Other tools / Frameworks:** Django, Git, MySQL, React, Flutter

## PROJECTS

Canteen Order Management System  

TEAM LEADER

October 2021

HTML, CSS, JAVASCRIPT, PHP, MySQL

*Dr. Varun Dutt (IIT Mandi)*

- Created a webapp using **LAMP stack**, on which the canteen vendor can put up items and students can create account, order food in a hassle free manner.

ADULTING101 : A one stop solution for all finances  

TEAM LEADER

February 2022

Python, Django, HTML, CSS, JavaScript, Dialogflow, Tensorflow

*Hack36, IIT Mandi*

- The webapp is build using **Python**-based webframework **Django**, key features include **add page**, **edit page**, **generate random page**, ask form **AI chat bot**
- Implemented a **Markdown to HTML Converter** that will automatically convert your markdown code to a HTML page whenever you add a new page.
- Integrated **google maps API** thta will guide uyou to your nearest banks.

Fake Face Image (generated using GAN's) Classification 

December 2021

Python, Tensorflow, Keras, Deep Learning model with CNN

*Fake-A-Thon, IIT Mandi*

- With the advent of Generative Adversarial Networks (GANs), there are lots of fake images and videos of people on the internet. These algorithms can generate very accurate and realistic looking images and videos.
- Created a Machine Learning model using CNN and achieved 80% accuracy to classify these images and videos as real or fake.

Hand Gesture Recognition System 

TEAM LEADER

September 2021

Python, Keras, OpenCV, ML model using CNN and Raspberry pi for Automation

*Vision Arcadia, IIT Mandi*

- Created a system to identify the hand gestures of the user at a restaurant and automated the food Ordering process.
- Lead a team of four members,we created our own dataset and achieved an accuracy of 99% for recognition in real-time.

## RELEVANT COURSEWORK

- Data Structure and Algorithms
- Computer Organization
- Information and Database Systems
- Applied Databases Practicum
- Mathematical Foundations of Computer Science
- Formal Language and Automata Theory
- Data Science-I (Computing and Data Science)
- Data Science-II (Probability and Statistics)
- Data Science-III (Introduction to data preprocessing and modeling)

## ACHIEVEMENTS

- Global rank 239** in Codechef November Lunchtime 2020
- Ranked 3rd** in Fake-A-Thon, IIT Mandi an Intra-IIT Hackathon
- CP101:** 1st Runner Up, Intra College competitive programming contest hosted on Hackerearth.
- URI Challenge:** 1st Runner Up, Intra College competitive programming contest hosted on URI online judge.