

Jaymin Suhagiya

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Proficient in **Python** and **C/C++**

EDUCATION

- **Adani Institute of Infrastructure Engineering** Ahmedabad, India
B.E. in Information and Communication Technology; CGPA: 9.42/10.0 Aug. 2017 - Present

EXPERIENCE

- **IIT-BHU** 🌟 Varanasi, India
Summer Workshop cum Internship June 2020 - July 2020
 - Worked on the project “**Character Recognition on Time Series Sensor Data collected from Smartphone Sensors**”.
 - Achieved accuracy of **93.60%** on training data and **89.51%** on testing data after experimenting with **LSTM, GRU, Bidirectional LSTM and Conv-LSTM** based models using **Tensorflow**.

PROJECTS

- **Knapsack Container Loading Problem** 🐙 🌟 | **C++, Python, Matplotlib, tkinter**
 - We gave **heuristic solution** for Knapsack Container Loading Problem which is **NP-Hard** problem.
 - Solution has support for both the **GUI** and the **solution visualisation**.
 - It was developed in the **team of 2** as a part of competition held at our college. We **won the competition** by scoring **19/20**.
- **Digit Recognizer using CNN** 🐙 | **Python, Tensorflow, CNN**
 - Implemented a ML Model trained on MNIST dataset using convolutional neural network.
 - Tested on Hand written digit written by my self.
- **Object Detection** 🐙 | **Python, Tensorflow**
 - Implemented **YOLO (you only look once)** for object detection.
 - As part of CNN course of coursera, I learned a mathematics and implemented it using notebook provided by them.
- **Drowsiness Detection** | **Python, OpenCV**
 - Our project buzz the alarm if driver gets drowsy while driving the car.
 - Used openCV to detect the eyes of driver and performed the mathematical steps to find driver is drowsy or not.

SKILLS

- **Proficient:** Python, C/C++, git protocol, Keras API
- **Intermediate:** Tensorflow, JavaScript, HTML5, Bootstrap4
- **Beginner:** Java, CSS3, SQL, NodeJS

ACHIEVEMENTS

- Completed **Introduction to Tensorflow** Course on coursera provided by Deeplearning.ai
- Learned **Time Series and Sequence Model** on coursera.
- Undertaken the **Full Stack Web Development** specialization using Bootstrap4 and ReactJS.