# 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**.
    - Our 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 mathematical steps to find driver is drowsy or not.**

## SKILLS

- **Proficient:** Python, C/C++, git protocol, Keras API
- **Intermediate:** Tensorflow, Java, HTML5
- **Beginner:** JavaScript, CSS3, Bootstrap4, 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 Bootstap4 and ReactJS.