






Jaymin Suhagiya

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

EDUCATION

- **Adani Institute of Infrastructure Engineering** Ahmedabad, India
B.E. in Information and Communication Technology; CGPA: 9.6/10.0 *August 2017 - July 2021*

EXPERIENCE

- **Backend Developer** Ahmedabad, India
o2h Technology *January 2021 - Present*
 - I have worked with frameworks like **NodeJS**, **Laravel** and **ReactJs** , as well as databases like **MongoDB**, **MySQL**, **DynamoDB** and **Elasticsearch**.
 - Working in an Agile development cycle using advanced Scrum methodology and created user-friendly websites with different teams.
 - In a weekly meetup, I shared my data structure and algorithm knowledge with the team, and I took the interviews and assessed the coding exam of freshers.
- **IIT-BHU**  Varanasi, India
Summer Workshop cum Internship *June 2020 - July 2020*
 - In a team of three, worked on the project "**Character Recognition on Time Series Sensor Data Collected from Smartphone Sensors**" and subsequently presented a research paper on it at a conference.
 - 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

- **Turing Q Learning (Multitasking Neural Network)**  | **Python, Tensorflow, Reinforcement Learning**
 - Learned about reinforcement learning and different training methods like Q Learning, DQN and DDQN.
 - Build a multitasking neural network with the help of Reinforcement Learning. There is one bigger network common for multiple games and other small networks supporting the main network different for different network.
 - As a result, our newly developed neural network is capable of playing two different games.
- **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**.
- **Food Adda | Android Studio**
 - Created an Android application with a group of four people to connect hostel students with housewives so that they can consume homecooked cuisine at a reasonable price.
 - To create this app, we used **Android Studio** and the **Kotlin** programming language..
- **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:** JavaScript, NodeJS, Laravel, MySQL, MongoDB, Python, C/C++, git protocol
- **Intermediate:** Keras, Tensorflow, ReactJS, ElasticSearch, CSS3, HTML5
- **Beginner:** Java, FastAPI, Docker

PUBLICATIONS

- **“Character Recognition on Time Series Data collected from Smartphone Sensors”**, Deep Raval et al 2021 IOP Conf. Ser.: Mater. Sci. Eng. 1099 012014 [!\[\]\(31b03e46ee8a80a1f1467b8c03bd76e8_img.jpg\)](#)
- **“Forecasting of Electricity Consumption for G20 Members Using Various Machine Learning Techniques”**, Accepted book chapter to be published in: ‘Artificial Intelligence for Renewable Energy Systems’, Scrivener Publishing partnered with John Wiley (USA)

ACHIEVEMENTS

- I won the coding competition in a team of two held at our college based on an NP-Hard problem called the Knapsack container loading problem.
- Completed **Introduction to Tensorflow** Course on coursera provided by Deeplearning.ai
- Learned **Time Series and Sequence Model** on coursera.