





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** Remote
Memechat *December 2021 - Present*
 - Rewrote and optimised (Query optimising and Reducing time complexity) every backend APIs from PHP to Python using FastAPI.
 - For **Scalability and Cost optimisation** of the Memechat Application, worked on ProxySQL deployment.
 - Monitoring metrics and deploying new updates in the Google cloud.
- **Backend Developer** Ahmedabad, India
o2h Technology *January 2021 - December 2021*
 - worked with frameworks like **NodeJS, Laravel** and **ReactJs** , as well as databases like **MongoDB, MySQL, DynamoDB** and **Elasticsearch**.
 - Worked in an Agile development cycle using advanced Scrum methodology and created user-friendly websites with different teams.
 - In a weekly meetups, I shared my data structure and algorithm knowledge with the team, and I took the interviews and assessed the coding exam of freshers.

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**.

SKILLS

- **Proficient:** JavaScript, NodeJS, Laravel, MySQL, MongoDB, PHP, Python, C/C++, GIT protocol
- **Intermediate:** NextJS, ReactJS, ElasticSearch, Docker, FastAPI
- **Beginner:** Java, CSS3, HTML5

PUBLICATIONS

- “**Character Recognition on Time Series Data collected from Smartphone Sensors**”, Deep Raval et al 2021 IOP Conf. Ser.: Mater. Sci. Eng. 1099 012014 [↗](#)
- “**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)

VOLUNTEER

- **Unity of Youngistan(NGO)** [↗](#)
 - I participated in the **Tree planting** event on World Environment Day organised by the NGO.
 - During the winter, I assisted in the distribution of blankets to those in need.

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.
- I played game called **kho-kho** at state level in **Khelmahakumbh** competition.
- Completed **Introduction to Tensorflow** Course on coursera provided by Deeplearning.ai
- Learned **Time Series and Sequence Model** on coursera.