Vishv Patel

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EDUCATION

University of California, *Riverside*   ***Jun 2023****
Masters of Science in Computer Science

Pandit Deendayal Energy University, *Gandhinagar, India*   ***Jun 2021***
Bachelor of Technology in Computer Engineering   GPA: 8.93/10

PUBLICATION

- "Emerging Technologies and Applications for Smart Cities", Vishv Patel and Dr. Nishant Doshi, *(Journal of Ubiquitous Systems & Pervasive Networks · Apr 8, 2021)*

PROJECTS

YouTube Video's Prediction: Trending!   *Sep 2021-Dec 2021*
- Worked on Trending YouTube Videos of 4 countries.
- Trained the model to predict how much time will the video take to trend based on 6 features.
- Minimized the multi-class error and processing time.

Text Based Emotion Detection   *Jan 2021-May 2021*
- Developed a hybrid model that could detect 6 basic Emotions from text.
- Detected emotions from text using deep learning and machine learning models. Used word embeddings, to convert text.
- Combined the best models and the accuracy was increased by 8% with respect to base model

City's Crime Analysis   *Jul 2020-Dec 2020*
- Designed and built a model that can help us to predict the crimes in the city's based on previous incidents.
- Visualization of data is performed to find out the patterns of crimes in the city.
- Implementing the machine learning model, features are given as an input by using PySpark (python and Big data technologies).

Tank Wars   *Jan 2019-Mar 2019*
- Created a physics based two-player game of 2D tank battle
- Implemented real-life physics equations in algorithms for the trajectory paths of the tank shots
- Applied the two-player mechanism by using concepts of client server programming, socket programming and Peterson's Algorithm

INDEPENDENT COURSE WORK

- *SQL (Stanford Online)*

SKILLS

- **Programming Languages –** Python, C, SQL, JavaScript, HTML, CSS
- **Technologies –** TensorFlow, Git, Google Colab, Anaconda, Cloud
- **Databases –** MySQL, MongoDB, PostgreSQL
- **Data Visualization Tool –** Tableau
- **Software Development –** Agile, Scrum

VOLUNTEER EXPERIENCE

SOCIAL INTERNSHIP AIESEC   *Jun 2018-Jul 2018*
- *Acted as a global volunteer for AIESEC in NEU, Hanoi, Vietnam for the project "Recycle, Reuse and Reduce". It was aimed at achieving Sustainable Development Goal 12 (Responsible Consumption and Production) of the United Nations. Here, we conducted summer camps to make students aware to reduce, recycle and reuse to protect our environment from non-biodegradable waste(plastic).*

HONORS AND AWARDS

- *Achieved **Leadership** based upon my performance at **Camp2s, Vietnam**.*
- *Received **Sports Champion** Title in **Asia English School**.*