APURVA HITESHKUMAR PATEL

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EDUCATION

University of Southern California, Viterbi School of Engineering May 2022-Present
Master of Science in Computer Science GPA: 4.00/4.00

L.D.R.P Institute of Technology and Research, KSV University August 2017-May 2021
Bachelor of Engineering in Computer Engineering GPA: 9.16/10.00

EXPERIENCE

Pantech Solutions
Artificial Intelligence Intern (December 2021-January 2022)

- Conducted statistical analysis and interpreted results to guide organization's decision-making process.
- Ran machine learning algorithms on the projects like road signs detection, optical characters, number plate and person recognition, and many others given by the project manager. I need to submit the optimized algorithms for each project so that they can be used by the company in their respected application.

Diyar Global Infotech
Data Science Intern (July 2021-December 2021)

- Presented data science findings to peers, illustrating progress made during various tasks such as preprocessing and executing the model.
- Cleaned, combined, and filtered millions of lines of data (python, SQL) to assist the company in its projects.

The Sparks Foundation
Web Development Intern (January 2021)

- Built a website named "Basic Banking System" for smooth and fast transfer of money among customers using HTML,PHP,CSS.
- Evaluated works of other interns in field of web development and data science.

PROJECTS

Smart attendance system using sound waves

- It was an android application designed to decrease time to 10 seconds while taking attendance.
- We had used different sound waves to send signals to student mobile so that attendance can be recorded quickly.

RFID based smart mall

- It used the RFID tag to detect various items in mall and was useful for reducing customer waiting time on billing counter.
- I had programmed an Arduino UNO board so that it can be implemented in the checkout doors at the mall. When a customer passes through the checkout counter, all items were automatically scanned, and the overall price was displayed on the screen. Hence, reducing the time for checking every item manually.

Image denoising using CNN

- This project was based on the Python programming language. It was helpful for security cameras to denoise image and used the concept of Convolutional Neural Network (CNN) to train model and implement it in real-time.
- I used Google Colab to train model by implementing computer vision libraries of Python.

LEADERSHIP AND INVOLVEMENT

- Led my team and competed with 500+ teams to reach the final round of Gujarat Industrial Hackathon 2019, held in April 2019.
- Received certificate of merit for securing 1st rank in the third year of computer engineering as a part of the Shri Maneklal M. Patel Memorial Merit Scholarship program held on 12th January 2020.

SKILLS

- Languages: Python, Java, C, C++, SQL, HTML, CSS, MATLAB, Ajax, Servlet, JSP.
- Software/framework/libraries: OpenCV, Numpy, Pandas, CUDA, Django, Netbeans, Arduino UNO, Firebase, Android Studio, PyCharm, MongoDB, Google Colab, Hadoop, MapReduce, WordPress.