NISARG KAPKAR

Computer Engineering Undergraduate Student

nisargkapkar00@gmail.com

linkedin.com/in/nisarg-kapkar/

github.com/Nkap23

nisargkapkar.medium.com

EDUCATION

PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GANDHINAGAR, GUJARAT

B.Tech. in Computer Engineering (2022)

- 9.6 CPI

ST. KABIR SCHOOL, AHMEDABAD, GUJARAT

Senior Secondary (2018) & Higher Secondary (2016)

- 92.8% in Senior Secondary School
- 9.8 CGPA in Higher Secondary School

SKILLS

- **Programming Languages:** Python, C/C++, JAVA
1. **Python:** Sklearn, Pandas, Numpy, Matplotlib, Seaborn, TensorFlow 2.x, OpenCV
- **Machine Learning & Deep Learning**
- **Web Development:** HTML, CSS, JavaScript, Bootstrap
- **DBMS:** SQL
- **Designing:** Inkscape, Adobe XD, Canva
- **Tools and Technologies:** Git/GitHub, Google Colab, Google FireBase, VSCode
- **Non-Technical:** Leadership, Teamwork, Problem Solving, Critical Thinking

ACHIEVMENTS

- Secured global rank of 41 in "Code Ensemble 2020" held on CodeChef.
- Ranked 1st in University and 260th in India in “Google HashCode 2020”.
- Secured global rank under 500 in "Techgig Code Gladiators 2020" finals.
- Won best pitch award in “Lets Hack Hackathon 2019” held at PDPU.
- Winner at “DARE2CODE 2019”(coding contest) at VGEC College,Gujarat.

WORK EXPERIENCE

DATA SCIENCE INTERN

The Sparks Foundation, Nov 2020 - Present

- Worked on various Data Science, Machine Learning & Deep Learning projects/tasks.
- Projects/Tasks: Training supervised & unsupervised models, implementing an object detector, performing exploratory data analysis.

PROJECTS

PROJECT SAFESHOP

IBM Call For Code 2020, July 2020 - Present

- Led a team of 5 people.
- Developed a Face Mask Detector. Trained a model using Supervised Learning to detect 3 classes: with_mask, without_mask, mask_weared_incorrect.
- Implemented Distance Tracking Algorithm. The algorithm tracks the distance of nearby user and notifies user to maintain appropriate social distancing.
- Designed front-end prototype for Mobile Application for placing orders.

Used: Python(OpenCV, TensorFlow 2.x, Matplotlib), Google Colab, Google Firebase, Adobe XD

Github: github.com/Project-SafeShop

DOG BREED CLASSIFIER

Sept 2020

- Trained a Supervised Learning model to classify 10 different breeds of dogs.
- The model achieved an accuracy of 95.6% on the test dataset.

Used: Python(OpenCV, TensorFlow 2.x), Google Colab/Jupyter Notebook

BRTS BUS MANAGEMENT SYSTEM

PDPU IIC Hackathon, Sept 2019 - Oct 2019

- Programmed an Arduino to send a sequence of 0s and 1s based on button presses.
- Calculated the number of vacant seats in BRTS bus based on 0s and 1s to display on screen.

Used: Python, Arduino

OS SCHEDULING ALORITHM VISUALIZATION

August 2020 - Present

- Created a GUI Application for OS Scheduling Algorithm Visualization.

Used: Python(PyQT5, Matplotlib, xlsxwriter)

Github: github.com/ParthPrajapati43/OS-Algorithms

POSITION OF RESPONSIBILITY

- President/Student Representative and Python Department Head at CodeChef Campus Chapter, PDPU.
- Public Relations Head at CUBE-I-CULT, PDPU.