

# NIKSHITA KARKERA

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Github - <https://github.com/nk-874>

## SKILL

- Python
- Statistics
- NLP
- JAVA
- Computer Vision
- UI/UX Designing

## COMMUNITY WORK

**Core Team Member** | Google Developer Student Club, TSEC

AUG 2022 - PRESENT

- Helped organizing Technical Event
- Was also actively involved in designing posts and stories posted on the official GDSC TSEC account

## PROJECTS

### Language Detection Model

2022

*Natural Language Processing - Data Science*

Language detection is usually used to identify the language of business texts like emails and chats. Trained a model to detect 16 different kinds of languages. Libraries used: NLTK, Seaborn, Matplotlib, Regexp, Scikit learn.

**Github Link:** <https://github.com/nk-874/Language-Detection-model>

### Text Summarizer

2022

*Natural Language Processing - Data Science*

Text summarization is the technique for generating a concise and precise summary of voluminous texts while focusing on the sections that convey useful information, and without losing the overall meaning. Used the TF-IDF concept for this text summarizer. Libraries used: NLTK, Numpy, Networkx.

**Github Link:** <https://github.com/nk-874/Text-Summarizer>

### Color Detection Model

*Computer Vision - Machine Learning*

By clicking on the colors of a given image, this model can automatically determine their names. For this, the data set contains the color name and values. Then I computed the distance between each color and found the shortest one. Libraries used: Opencv, Numpy, Pandas, Argparse

**Github Link:** <https://github.com/nk-874/Color-Detection>

## DESIGNS

### Air India Revamp

2022

Mockupp - UI/UX Hackathon Organised By Google Developers Student Club

Redesigned Air India Website to make it more user friendly. Considering visually impaired individuals, I tried to stick to a primary for the web page. I restructured the page's contents to make it more navigable. This was my first hackathon, and I won.

**ProjectLink:** <https://www.figma.com/file/jii79Pl1tFrUyF3AHmuHRY/Air-India-Revamp?node-id=0%3A1>

**Documentation:** <https://docs.google.com/document/d/1iSVARYVJmXaudsH6UDe6aGpamP7qYKZH-K4HoTUcyhE/edit?usp=sharing>

### Other Designs

You can find some designs that I have made during the past year in the link mentioned below

**Design link:** <https://drive.google.com/file/d/1BUjwr54eG0d317kSeKTVdQKvOwuiOkvA/view?usp=sharing>

## EDUCATION

School/College	Board Exam	Percentage scored
R.B.K. School, Mumbai (2019)	ICSE Board	93.60%
Pace Junior College, Andheri (2021)	HSC Board	91.17%
Thadomal Shahani Engineering College, Mumbai	Mumbai University	9.04 CGPI

## AWARDS AND RECOGNITION

### Badges Earned in Hackerrank

- 5-star Gold Badge in Python
- 5-star Gold Badge in Problem Solving
- 3-star Silver Badge in C
- 4-star Silver Badge in Java

### Olympiads

- |                                       |   |      |
|---------------------------------------|---|------|
| • Gold in National Cyber Olympiad     | (Class Rank: 1 & International Rank: 191)   | 2019 |
| • Silver in National Cyber Olympiad   | (Class Rank: 2 & International Rank: 278)   | 2018 |
| • Gold in National Cyber Olympiad     | (Class Rank: 1 & International Rank: 348)   | 2017 |
| • National Cyber Olympiad Finals      | (Zonal Rank: 110 & International Rank: 664) | 2017 |
| • Silver in National Cyber Olympiad   | (Class Rank: 2)                             | 2016 |
| • Silver in National Science Olympiad | (Class Rank: 2 & International Rank: 257)   | 2015 |

### Courses/Certification

- |   |             |
|---|-------------|
| • Applied Text Mining in Python (by University of Michigan) | Completed   |
| • Introduction to statistics (by Stanford University)       | Completed   |
| • Natural Language Processing in Microsoft Azure            | In Progress |