

# MIHIKA GAONKAR

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## EDUCATION

Qualification	Institution	University	Score	Year
BE(Computer Engineering)	Thadomal Shahani Engineering College	University of Mumbai	9.27/10 (Sem-VI)	2023(exp)
HSC (12th grade)	Pace Junior Science College	State Board of Maharashtra	79.4 %	2019
SSC (10th grade)	Auxilium Convent High School	State Board of Maharashtra	94 %	2017

## TECHNICAL SKILLS

<b>Programming Languages</b>	Python, C, Java
<b>Libraries/Frameworks</b>	TensorFlow, scikit-learn, NumPy, pandas, Matplotlib, Beautiful Soup, OpenCV, NLTK
<b>Tools/Platforms</b>	Jupyter Notebook, Google Colab, Power BI, Google Data Studio, Git, GitHub
<b>Web Technologies</b>	HTML, CSS, Django, Flask
<b>Databases</b>	MySQL, PostgreSQL, SQLite

## WORK EXPERIENCE

**Data Science Intern** | Worley India Private Limited Jun 2021 — Sep 2021

- Performed image preprocessing techniques such as thresholding, blurring and template matching using OpenCV.
- Worked with Pytesseract package and Microsoft Azure OCR API for Optical Character Recognition.
- Tested the web based tool to ensure a smooth user experience.

## PROJECTS

**Vulnerability Detection in Source Code** | TensorFlow, NumPy, GloVe model Aug 2022 — present

- An application to detect vulnerabilities such as SQL Injections and Cross Site Scripting attacks in source code.
- Cleaned and vectorized data using GloVe model.
- Trained a Convolutional Neural Network on source code snippets.

**OTC CatchUp Analysis Dashboard** | Power BI, Google Data Studio, Beautiful Soup, pandas Feb 2022 — Mar 2022

- A visualization dashboard to analyze OTC CatchUps — online technical discussions of an open-to-all community. [Code](#) | [Demo](#)
- Scraped and cleaned data to save it in csv files for visualizations.
- Analyzed data and visualized data using PowerBI to derived results.

**Book Recommendation System** | Flask, NumPy, scikit-learn, Elasticsearch, Beautiful Soup, HTML, CSS Nov 2021 — Jan 2022

- A web application which recommends books based on already liked books by the user. [Code](#)
- Scraped Goodreads to create a dataset with over 20,000 books of different genres.
- Used cosine similarity to generate Content Based Recommendations.
- Used Elasticsearch to make fetching of books from the database faster.

**FakeStat** | scikit-learn, NumPy, Tweepy, Django, HTML, CSS Jan 2021 — Mar 2021

- A web application and a Twitter bot to detect fake news using Random Forest model with an accuracy of 94%. [Code](#)
- Performed a comparative study of Random Forest, Decision Tree and Logistic Regression on the data.
- The Twitter bot writes a comment to the Tweet made specifying whether the news in the Tweet is fake or not.

**Invisibility Cloak** | OpenCV, Flask, HTML, CSS, Bootstrap Oct 2020 — Dec 2020

- A web application by which the user appears to be invisible on using a cloth of a specific colour.
- Added a support feature to enter the RGB value of the colour of the cloth.

## CO-CURRICULAR ACTIVITIES

**Amazon ML Summer School** Jul 2022

- Selected for the program which covered 8 Machine Learning topics including Probabilistic Graphical Models and Causal Inferencing.
- Interacted with Amazon professionals and candidates all over the nation.

**Core Team Member, GDSC TSEC** 2021 — 2022

- Planned and organized 20+ technical events and workshops (both in-person and virtual).
- Helped monitor a community with 600+ members.
- Coordinated and communicated with a team of 15 members.

**Winner, Aghaaz - IIM Ahmedabad** 2023

- Performed and won the first place in the national level Street Play competition - Aghaaz.

**Editor, TSEC Digital Diary (College Magazine)** 2020 — 2021

- Created content and proof read articles for the magazine.

**Volunteer, Vatsalya Trust, Mumbai** 2017 — present

- Taught Mathematics, Science and English to 9th and 10th grade students.