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

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

Work Experience

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

- Performed image preprocessing techniques such as threshholding, 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 - Aaghaaz.

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.