

MIHIKA GAONKAR

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EDUCATION

Qualification	Institution	University	Score	Year
BE in CS	Thadomal Shahani Engineering College	University of Mumbai	9.24/10 (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, BeautifulSoup, 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 Mumbai, India
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- Worked on image preprocessing using OpenCV.
- Worked with Pytesseract and Microsoft Azure OCR 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
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- 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, BeautifulSoup, pandas	Feb 2022 — Mar 2022
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- A visualization dashboard to analyze OTC CatchUps — online technical discussions of an open-to-all community.
- Scraped and cleaned data to present it in relevant format.
- Analyzed data using data visualization tools and derived results.
- [Code](#) | [Demo](#)

Book Recommendation System Flask, NumPy, scikit-learn, Elasticsearch, BeautifulSoup, HTML, CSS	Nov 2021 — Jan 2022
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- A web application which recommends books based on already liked books by the user.
- Scraped Goodreads to create the dataset.
- Used cosine similarity to generate Content Based Recommendations.
- Used Elasticsearch to make faster searches.
- [Code](#)

FakeStat scikit-learn, NumPy, Tweepy, Django, HTML, CSS	Jan 2021 — Mar 2021
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- A web application and a Twitter bot to detect fake news using Random Forest model with an accuracy of 94%.
- 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.
- [Code](#)

Invisibility Cloak OpenCV, Flask, HTML, CSS, Bootstrap	Oct 2020 — Dec 2020
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- An application by which the user appears to be invisible on using a cloth of a specific colour.
- Supports option to enter the RGB value of the colour of the cloth.

CO-CURRICULAR ACTIVITIES

Amazon ML Summer School	Jul 2022
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- Selected for the program which covered 8 Machine Learning topics including Probabilistic Graphical Models and Causal Inferencing.

Core Team Member, GDSC TSEC	2021 — 2022
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- Organized events for students to learn new tools and technologies.

Editor, TSEC Digital Diary (College Magazine)	2020 — 2021
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- Created content and proof read articles for the magazine.

Volunteer, Vatsalya Trust, Mumbai	2017 — present
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- Taught Mathematics, Science and English to 9th and 10th grade students.