Sonali Ganatra
978-259-5933|sonali_ganatra@student.uml.edu| www.linkedin.com/in/SonaliGanatra | https://github.com/sonalig27

Technical skills:

- Programming Languages: C++, Multithreaded Programming, Python, HTML, CSS, Bootstrap, JavaScript, SQL
- Technical Skills: Git, JIRA, ALM, WinSCP, Linux, SDLC, Waterfall, Agile
- Libraries and Frameworks: Plotly, Dash, NLTK, Twilio, Flask, Sci-kit learn, NumPy and Pandas, Konva, Tensorflow, Keras, Scrapy and Spacy

Education:

Master of Science in Computer Science **(Expected Dec 2020)**
University of Massachusetts, Lowell, MA GPA: 3.85
Bachelor of Engineering in Electronics **(May 2009)**
University of Mumbai, Mumbai, India GPA: 4.0

Projects:

Master Thesis Project **(Jan 2020 – Present)**

- Scraped **300K** google play store apps using the Python **Scrapy** framework to identify copycat apps using **Tensorflow**, **Keras** and **Spacy** libraries for **NLP** and Image processing.

Skin Lesion Detection **(Jan 2020 – Mar 2020)**

- Developed a skin lesion classification model using the **CNN LeNet** and **ResNet** architecture with an accuracy of **83%** and **94%** respectively.

COVID-19 tracking Dashboard **(Mar 2020 – May 2020)**

- Built a web dashboard for tracking COVID-19 using **Python Plotly** graphing library and **Dash** framework.

2D Shape Editor Tool **(Jan 2020 – May 2020)**

- Developed a web application using **HTML**, **CSS** and **JavaScript** with the help of **Konva** framework**.**

Momba **(Jan 2020)**

- Built a chatbot using **Python NLTK** library, **Twilio** API and **Flask** framework for addressing postpartum depression.

Book Exchange App **(Sep 2019 – Dec 2019)**

- Developed a web application using **HTML**, **CSS**, **Bootstrap** and **JavaScript** for Book Exchange on campus.

Mushroom Classification Project **(Sep 2019 – Dec 2019)**

- Built Neural Network from scratch using **Python** for Classifying mushrooms as poisonous or edible.

Mammographic Mass Classification **(Mar 2019 – May 2019)**

- Built a classification model using **sci-kit learn, NumPy** and **pandas** in **Python** to predict the tumour severity as benign or malignant.

Work Experience:

Grader, University of Massachusetts Lowell, Lowell, MA. **(Sep 2019 – Present)**

- Assisted Professor, in grading students' assignments, quizzes and exams for the course: Object Oriented Development using **C++**.
- Facilitated learning by providing students with subtle hints and feedback, to rectify their mistakes.

Software Quality Analyst, JP Morgan Chase & Co., Mumbai, India. **(Nov 2012 – Apr 2017)**
Domain – Credit Cards, Corporate Banking (Liquidity), Methodology – Waterfall and Agile

- Spearheaded transformation of multiple offer management tools into a single tool.
- Improved the UI by removing the redundant functionality and automating the one used extensively.

Technical Associate, Tech Mahindra Pvt Ltd., Mumbai, India. **(Feb 2010 – Oct 2012)**
Domain – Telecom, Methodology - Agile

- Handled British Telecom 21CN order handling end-to-end workflow for 8 different products.
- Coordinated and assisted in the development of in-house automation tools by gathering the requirements from the Manual Testing teams.