

Shivang Raikar

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EDUCATION

University of Massachusetts Master of Science in Computer Science (GPA: 3.7) Coursework: Neural Networks, Applied Machine Learning, UI/UX Design, Biomedical Signal and Image Processing	Boston, Massachusetts Sep 2021 - May 2023
University of Mumbai Bachelor of Engineering in Computer Engineering (GPA: 8.69/10) Coursework: Data Structures and Algorithms, Database Systems, Distributed Systems, Machine Learning, Operating Systems	Mumbai, India Aug 2018 - Jun 2021

SOFTWARE SKILLS

- **Programming Languages:** Python, SQL, C, C++, HTML5, CSS3, Java, JavaScript, Go, Php
- **Technologies:** Flask, Streamlit, AWS, .Net, Scikit-Learn, TensorFlow, NLTK, Relational DBMS, GCP
- **Tools and IDE:** Google Colab, Git, Selenium, VSCode, NetBeans, JUnit, Docker
- **Databases:** MongoDB, Firebase, MySQL, PostgreSQL
- **Platforms:** LINUX, Windows, macOS

PROFESSIONAL EXPERIENCE

University of Massachusetts <i>Teaching Staff, Computer Graphics, CS 460 and Introduction to Software Engineering, CS 410</i> <ul style="list-style-type: none">• Contribute towards teaching and mentoring 4 project groups, 15+ students with project development, doubt-solving, and collaborations.	Boston, Massachusetts Sep 2022 - May 2023
Crane Payment Innovations <i>Software Engineering Intern</i> <ul style="list-style-type: none">• Spearheaded 60 automated test scripts in the pipeline and refactored 70 scripts, improving the overall testing time by 60% and reducing the execution per test cycle from 5 weeks to 2.5 weeks required.• Actively involved in task tracking using JIRA and cross-functional communication with key stakeholders in the business.• Worked in a scrum team of 5 - 7 developers to further develop and contribute work to one of CPI's web applications and APIs.• Technologies: Java, Selenium, TestNG, JavaScript, Jenkins, Maven, Jira	Malvern, Pennsylvania Jun 2022 - Aug 2022
Stokes Automotive <i>Software Engineering Intern</i> <ul style="list-style-type: none">• Co-led a web development team to build a web application for the company to increase user engagement and bounce rate by 20% recorded by google analytics.• Performed Usability and Functionality testing on prototypes in accordance with the 150 test cases developed by working individuals as a part of test automation.• Established and achieved 18 weekly goals by handling the Business administration side of the project by following the SDLC application development idea.• Technologies: HTML5, CSS3, JavaScript, Bootstrap, MySQL, Oracle, REST	Mumbai, India Jan 2021 - Jul 2021
Diazaonic Labs <i>Data Science Intern</i> <ul style="list-style-type: none">• Coordinated a series of virtual networking sessions and facilitated introductions between 30+ peers on LinkedIn, GitHub, and technical platforms; generated over 20 new business leads and increased overall networking ability by 50%.• Designed python scripts for 8 parameter selection and input/output image read and write operations.• Imported and operated on libraries such as NLTK, Flask, wordcloud, and Wikipedia library for scraping authorized data over the internet that accelerated the output result time from 5 to 3 seconds.• Technologies: Python, Flask, Pandas, NumPy, NLTK, VScode, Stopwords, Flask	Mumbai, India Jun 2020 - Oct 2020

PROJECTS

Data Science Unicorn (Link) <ul style="list-style-type: none">• Led a team in creating and hosting a web tool to predict the salary of a Data Scientist by considering 15 input parameters aligning with a real-life datasets survey of 10,000 working individuals.	<i>Python, Streamlit, AWS, Git, HTML5, CSS3, Heroku</i>
WordCloud Kit (Link) <ul style="list-style-type: none">• Engineered a real-time web application to ingest an input string, process it, and generate a wordcloud to visualize summary data. Produces a summary of large documents (reports, speeches) to create art on a topic or to visualize data.	<i>Python, Heroku, FlaskApp</i>
Climate Clock (Link) <ul style="list-style-type: none">• Built an iOS application that serves as a live climate clock that monitors and tracks 7 data streams from reaching a particular set of thresholds given current emissions trends. Open source: https://climateclock.world/	<i>Python, Flask, SQL, Swift, Pythonista</i>

RESEARCH & PUBLICATIONS

- **Raikar, S., Nagarkar, P., Zantye, A., & Khan, A.** (2020, July). Twitter Data Mining for Targeted Marketing. In *2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA)* (pp. 44-50). IEEE. ([Paper](#))
- **Raikar, S., Mhatre, V.** (2018, January). Security system in Sensor Networks. *Winner at Navjeevan Institute of Technology*, Paper presentation.