

**EDUCATION**Masters in Computer Science, **SUNY Stony Brook University, New York****Expected Dec 2022**

Coursework: Artificial Intelligence, Data Science Fundamentals, Computer Vision.

Bachelor of Engineering in Computer Engineering, **University of Mumbai, India** (GPA: 9.11/10)**Aug 2018 - Jun 2021**

Coursework: Big Data Analytics, Data Warehousing and Mining, Machine Learning, Database Management Systems, Analysis of Algorithms, Software Project Management.

**SOFTWARE SKILLS**

- Programming Languages: Python, C, SQL, HTML, CSS3.
- Technologies: Flask, Streamlit, jQuery, Bootstrap, Heroku, AWS.
- Tools: Git, AWS, Heroku, Selenium, VSCode, IntelliJ.
- Platforms: UNIX, Windows.

**PROFESSIONAL EXPERIENCE****Hiranandani Group of Companies, India****Dec 2019 - Jan 2020***Data Science Intern*

- Engineered scripts to scrape data from Twitter and classify prospective real estate buyers based on their location, engagement and preferences to target them through marketing campaigns.
- Collaborated with a team of 5 to design a multi-staged approach to extract Twitter users' data, rank the prospective buyers and scrape their contact information.
- **Technologies:** *Python, SQL, Twitter API, Pandas, Numpy, NLTK, Google Colab, BeautifulSoup, REST APIs.*

**TryCatch Group, India****Aug 2019 - Oct 2019***Machine Learning Intern*

- Developed a system that crawls a given website, extracts URLs from the website and classifies the URLs as benevolent or malicious.
- Employed the Phishtank dataset containing malicious and benevolent URLs to generate various URL-based, domain-based, page-based features and trained a Random Forest classifier on generated features to predict a URL as malicious or benevolent.
- Engineered a multi-threaded web crawler to scrape a website and collect the URLs present on that website and classify them as benign or malicious.
- **Technologies:** *Python, AWS, Flask, Numpy, Pandas, BeautifulSoup, Sklearn, NLTK.*

**PROJECTS**

- **Social Media Intelligence for Brand Analysis** *Python, Streamlit, SQL, HTML, CSS, Twitter API, Heroku, AWS*

Developed a real-time social media intelligence tool to stream tweets from Twitter pertaining to a specific brand that performs various types of analyses based on the textual and location data and plots the insights graphically on a dashboard in real-time to enable the brand to better understand their audience with intelligent insights.

- **Blog Website** *Python, Flask, SQL, HTML, CSS, Heroku*

Launched an online blog website that allows users to create, update and delete posts. Implemented features such as user authentication session management, cloud image uploading and email verification.

- **Twitter Profile Analyzer** *Python, NLTK, Streamlit, Matplotlib, Twitter API, Pandas, Numpy*

Developed a Twitter analytics application that extracts rich insights from any public Twitter profile. Retrieved and analyzed data about tweets, likes, followers and location. Implemented techniques like sentiment analysis, named entity recognition and so on.

- **Twibot** *Python, Flask, Twitter API, Heroku, Pytesseract, Gspread*

Designed a Twitter automation tool that extracts the text from images, stores the text in an online google sheet and posts the stored text in the form of tweets one by one from a Twitter account every 5 hours.

**PUBLICATIONS**

- **Nagarkar, P.**, Amarnani, L., Doshi, D. (2021, July). Social Media Intelligence for Brand Analysis. In *The 12th International Conference On Computing, Communication And Networking Technologies (ICCCNT)*. (In Press)
- **Nagarkar, P.**, Khan, A., Raikar, S., & Zantye, 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.
- **Nagarkar, P.**, Dambe, S., Munekar, L. and Raut, S., 2018. Security system based on sclera recognition. *International Research Journal of Engineering and Technology (IRJET) e-ISSN*, pp.2395-0056.

**EXTRA-CURRICULAR ACTIVITIES**

- **FOUNDER, MENTALITY EVOLUTION:** Self-development account on Twitter with ~5.5k followers and outreach of 110K impressions/month.
- **MEMBER, TOASTMASTERS INTERNATIONAL:** Delivered speeches, evaluated other member's speeches and organized multiple district level speech contests as a member of Toastmasters club in 2020.
- **MEMBER, ROTARY CLUB:** Organized and participated in Rotary club events to provide humanitarian services to the underprivileged.