YUKTA CHIKATE

Boston, MA | +1 - 6174129491 | chikate.y@northeastern.edu | **[LinkedIn](#)** | **[GitHub](#)**.

EDUCATION

Northeastern University, Boston, MA   **Sept 2022 - Aug 2023**
    Masters in Information System, College of Engineering
Yeshwantrao Chavan College of Engineering, Nagpur University, Nagpur, India   **Aug 2016 - Oct 2020**
    Bachelor of Computer Technology Engineering

TECHNICAL AND INTERPERSONAL SKILLS

    Programming Languages: Python, HTML, CSS, Javascript, C++ | **Tools:** React js, ArcGis, OWSM

WORK EXPERIENCE

Sanction Developer, Barclays, Pune   **Nov 2021 – Aug 2022**
- I am a part of a Quality assurance (QA) team and is working on Oracle Watchlist Screening (OWS) technology.
- My work mostly included developing and testing models which are used for customer screening. Majorly, the work focussed on, automaticity and effectivity of the model that can screen huge number of customer data in minimum time. The work was performed using director and the results were displayed using case management application.

Software Engineer, William O'Neil India, Bangalore   **April 2021 – Nov 2021**
- Part of developers group who worked on **Annotations module** of **Panaray Application**, which is a web based application used for stock analysis.
- The application impacts on all the relevant stock information used to make smart investing decisions to discover alpha-generating ideas, analyze stocks efficiently, and make individuals/entities more productive and efficient.
- Used React, Redux, Konva, Material UI to create an annotations tool box which included multiple functionalities to help in stock price predictions.

Web Developer, Success Numbers LLC, New Delhi   **Feb 2021 – March 2021**
- Worked on frontend part of order management system by implementing the logic behind payment methods used by any type cards by using the following technologies and tools: react, redux and javascript.

Operation Executive, Climber Knowledge & Careers Private Limited Bangalore, India   **Sept 2020 – Nov 2020**
- Generated Revenue of **Rs. 50,000+** & conducted market research of **65** colleges using various digital marketing strategies which resulted in **35%** rise in sales profit

National Environmental Engineering Research Institute, Nagpur   **Jan 2020 – Jul 2020**
- The research focuses on the Computation of GLDAS data using advanced Python programming which included detailed calculation and analysis using ArcGis software.
- It helped in flood detection and calculate surface-runoff data using GLDAS for the period **2015 to 2020** for Wardha region. The result of the studies of rainfall & reasons for flood occurrences was compared from NASA's Giovanni portal which gave us **86%** of accuracy.

PROJECTS

Music theory creation using visuals and acoustics generated in Python   **May 2022 - May 2022**
- The project tries to calculate note frequency and make a sound wave using Numpy and Scipy by loading the piano audio and plot the sound wave using Matplotlib by which one can easily analyze sound even if you don't have trained musician ears and perfect pitch.

Stock price prediction using machine learning in python   **Jan 2021 - Feb 2021**
- Developed a stock cost prediction model and an interactive dashboard for analysis by using **LSTM** model. **OTOH**, plot dash python frame for building dashboard

Remote desktop access application   **April 2021 – May 2021**
- Used Node Js and expressed for developing a server and socket.io for communication and data transfer between multiple users

Determine water level fluctuations in Erai river using EoLearn and SentinalHub | NEERI   **Jan 2020 - May 2020**
- Evaluated water level by comparing nominal boundary and boundary obtain by sentinel hub satellite imagery of Erai River

Trend analysis of precipitation in India | NEERI   **July 2019 - Nov 2019**
- Analyzed water cycle parameters like soil moisture, precipitation, & transpiration from **2000** to **2015** using the netCDF4 module
- Visualized data from NASA's Giovanni portal using matplotlib library to predict the probability of floods & droughts in India.

RESEARCH PAPERS

Comparison of G-shaped slot antenna on various substrates for 5G, Wi-Max and other application[2] | RASE 2021

A Chinchole[1], Y Chikate[2] | International Conference on Recent Advances in Science & Engineering
The proposed G-shaped slot antenna was analyzed and its parameters and results behavior were studied in different substrates

Analyze fluctuations in water level of Erai River using Sentinel data[1] | ICACT 2021

Y Chikate[1], A Konge[2] | International Conference on Advanced Computing Techniques-2021
Analyzing the water level of the Erai Reservoir seasonally from May 2019 to Feb 2020 and study the factors that causes fluctuations in the water

Comparative analysis of GLDAS and CWC data of Wardha Basin[1] | ICIECE 2021

Y Chikate[1], A Sharma[2] | Innovation in Electronics and Communication Engineering
Obtain the surface-runoff data from GLDAS for a particular period of a specific region to study the rainfall and reasons for flood occurrences

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VOLUNTEER EXPERIENCE
- **Wheel Of Wisdom:** Issued by Dhyeya NGO | Since 2021, it's been an honour to teach Under privileged students and prepare them for JEE and NEET.
- **Toastmaster International:** Being a member of a Toastmasters, I can helps people achieving significant milestones by developing their personalities.
- **Care of you- Role:** Volunteer | Cause: Health | Visited NGO and checked BP and oxygen from automatic machine of senior citizens