JAINEEL SHAH

☏ (646)-727-5749 ✉ janshah@cs.stonybrook.edu 💼 jaineel97 🌐 ye11ow-flash.github.io

EDUCATION

Stony Brook University, New York, USA   **Aug 2021 – Dec 2022**
MS in Computer Science   *CGPA: 3.58/4*
Data Science Fundamentals, Algorithms, Visualization, Operating Systems, Logic in Computer Science

K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, India   **Aug 2016 – Oct 2020**
B.Tech in Computer Engineering   *CGPA: 8.69/10*
Data Structures, Algorithms, AI, Data Warehousing, Neural Network & Fuzzy Logic, Discrete Structure & Graph Theory, etc.

PROFESSIONAL EXPERIENCE

AMD, California, USA | *Software Engineer Intern*   **May 2022 - August 2022**
- Developing Terraform Plugin to control PSM-Tools for better customer experience
- Contributing in finding IP overlaps in Policies in PSM.

Teaching Assistant at Stony Brook University, NY, USA | *Course: IAE by Christopher Kane*   **Aug 2021 - Dec 2021**
- Guiding, solving doubts, managing, and grading python assignments of 600+ students for Course IAE-101.

Reliance JIO, Mumbai, India | *Deputy Manager in 5G R&D*   **July 2020 - May 2021**
- Developed an application for Data Visualization and interpreting the results for 5G testing infrastructure using JavaScript. This application is used widely by various teams in the organization. This reduced the time consumption from 4 hrs to barely 30 sec.
- Wrote shell scripts to extract and filter information from various files for interpretation.
- Optimized the current module using multi-threading in C++.

KJSCE, Mumbai, India | *Intern – Web Developer*   **July 2018 - June 2019**
- Developed an application for internship management for KJSCE. This centralized the whole internship process for the university from recruiting to providing certificates. This reduced workload to almost 70% for internship cell of KJSCE.
- Designed Relational database schema. Graphical presentation of statistical data for admins and faculties to generate and view reports along with features such as exporting data to PDF Excel format, and automatic mailing.

PAPER PUBLICATIONS

Text-it-Loud!: Real-time Captioning and Transcribing App for Inclusive Teaching-Learning of Hearing impaired.
Trumer: Rumor Detection on Twitter using Machine Learning and NLP Techniques
SlipSwap: Reduce the slippage that is incurred during the swap of tokens using Algorithmic analysis

ACADEMIC PROJECTS

Trumer | *Rumor Detection on Twitter* | Python, Selenium, Google Cloud Console, ML, NLP
- A research project to determine the probability of tweet being a rumor using NLP and Neural Networks.
- Devised a new algorithm to fetch related tweets using Hashtags. Used ULMFiT model for stance detection of related tweets. Trained this model on Sentiment 140 dataset + self-created dataset of 1980 entries.
- Trained final Neural Network models based on 8 collected parameters. Trained this model on self-created dataset of 4670 rows.
- Achieved an overall accuracy of 77.99% and recall of 89.88%.

Tab-Overflow | *Tab management with ease* | Scraping, Neural-Network, Encryption
- A Chrome extension to manage, access and share tabs from any computer. Sorting of tabs based on the content of the webpage in one click using ML. Trained model on our self-created dataset. Used Beautiful Soup for scraping.
- Implemented strong encryption to maintain utmost user privacy. Data is not viewable even if a person has access to database.
- This app is currently available on chrome-store.

SlipSwap | *Minimize Slippage in Crypto Exchange* | Algorithm, Crypto, Nodejs, Kyber
- Developed an algorithm to solve an impromptu problem statement to minimize slippage while trading ERC20 tokens presented by Kyber Networks. We won Kyber network bounty of 150 USD at 'EthIndia 2.0' hackathon in Bangalore in August 2019.

Recruit-me! | *Finding top candidate for a JOB using ML* | OCR, Decision Tree, scraping, PHP, Javascript
- Online platform where recruiters get ranked list of candidates from most suitable to least suitable candidate for job based on requirements and CV of students, using Machine Learning and scraping.
- Algorithm developed sort the resumes dynamically from most fit to least fit candidate for the job based on the input parameters.

Text-It-Loud! | *Real time auto-captioning for hearing impaired* | Android, Speech-to-text, Firebase
- Real-time speech-to-text conversion for any members in a created group. Each member can join from anywhere in the world. App can run in the background and can continue displaying text as toast messages. Have saved transcripts which can be accessed anytime.
- Presented this application in local school for students with disability and got a very positive response.

SKILLS

Languages & Frameworks: Python, C, JS, HTML, CSS, Bootstrap, PHP, Nodejs, Git, SQL, MySQL, Shell, Flask, NodeJS, Postman, Linux, C++, Xampp, Go, Terraform

OTHER RECOGNITIONS

- Technical Team head at KJSCE Outreach, 2017-19. Worked to spread awareness about cyber-security via seminars at various schools, offices, and rural areas. Developed website and app for the same.
- Volunteered for the M.A.D Foundation; an initiative to beautify the railway stations of Mumbai (36 stations) by paintings, 2016.
- Ranked 2nd in ACM ICPC – 2019 online round at Institute level.