JAINEEL SHAH

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Master's in computer science student with experience of working in hyper automation, optimization, and total user experience, seeking specialization in software development engineering for supporting next generation demand of AI engineering and Anywhere Business Operations.

EDUCATION

Stony Brook University, New York, USA — Aug 2021 – Dec 2022
MS in Computer Science — CGPA: First Semester
Data Science Fundamentals, AOA, Logic in Computer Science, HCI

K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, India — Aug 2016 – Oct 2020
Bachelor of Technology in Computer Engineering — CGPA: 8.69/10
DS, AOA, AI, Data Warehousing, Neural Network & Fuzzy Logic, Theory of Computer Science, Discrete Structure & Graph Theory, etc.

PROFESSIONAL EXPERIENCE

Teaching Assistant at Stony Brook University, NY, USA | *Course: IAE by Christopher Kane* — Aug 2021 - Present
- 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* — Jul 2020 – May 2021
- Upgraded load capacity of SIB Project for 5G architecture and improved QoS. Optimized the technique of result analysis for SMF module in 5G, thus reducing workload by 30%.
- Automated analysis using JS and shell scripting thus reducing time from 2 hours to 2 minutes.

KJSCE, Mumbai, India | *Inhouse Intern – Web Developer* — Jul 2018 - Jun 2019
- KJSCE Internship Portal incorporating four sections, namely 'Admin', 'Department Admin', 'Faculty', and 'Students'. Faculties can float internships & can shortlist students based on their profile. 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. Implemented data visualization using graphs for admins and faculty to generate and view reports along with features such as export data to PDF & Excel format, and automatic mailing.

Riidl, Mumbai, India | *Intern - IoT Developer* — Dec 2017 - Jan 2018
- Developed a standalone device to aid older people living alone and having medical problems. Implemented Arduino with GSM-800 to send messages to the company server to perform several tasks such as refilling the medicines, call a doctor for a checkup, emergency SOS to selected person for aid.

Swaglok, Assam, India | *Intern - Web Developer* — Jun 2018 - Jul 2018
- Reduced website loading time by implementing various methods such as applying AJAX, trimming down JS, optimizing cache, and enhancing the user interface.
- Contributed to SEO and other related tasks and completed them in the given time frame.

ACADEMIC PROJECTS

Trumer | *Rumor Detection on Twitter*
- 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 entries.
- We achieved an overall accuracy of 77.99% and recall of 89.88%.

Tab-Overflow | *Tab management with ease*
- 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. Strong encryption such that user data is not viewable even if a person has access to database. This app is currently launched on chrome-store.

SlipSwap | *Minimize Slippage in Crypto Exchange*
- Developed an algorithm to minimize slippage while trading ERC20 tokens. We won Kyber network bounty of 150 USD at 'EthIndia 2.0' in Bangalore in August 2019.
- Technologies Used: Kyber, Nodejs, Cryptocurrency, Algorithm.

Event Application Screening | *Finding top candidate for a JOB using ML*
- 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.

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

SKILLS

- **Languages and Frameworks:** Python, C, JS, HTML, CSS, Bootstrap, PHP, Nodejs, Git, SQL, MySQL, Shell, Flask, NodeJS, Postman, Linux, C++, Xampp

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.