JAINEEL SHAH

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EDUCATION

K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, India   **Expected: May 2020**
Candidate for Bachelors of Technology in Computer Engineering   **CGPA: 8.53/10**
Relevant Courses: Data Structures, Analysis of Algorithms, Artificial Intelligence, Data Warehousing, Neural Network and Fuzzy Logic, Theory Of Computer Science, Discrete Structure And Graph Theory, etc.

PROFESSIONAL EXPERIENCE

KJSCE, Mumbai, India   *Inhouse Intern – Web Developer*   **Jul 2018 - Jun 2019**
- Developed KJSCE Internship Portal incorporating four sections, namely 'Admin', 'Department Admin', 'Faculty', and 'students'. Implemented functionalities for faculties to float internships, for students to apply, and to get shortlisted based on their resumes. Designed and Implemented database schema.
- Implemented data visualization using graphs for admins and faculty to generate and view reports along with handy features such as export data to PDF & Excel format, and automatic mailing.
- Automated the process of 'Internship Cell', and is in use at the institute level.

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.
- Received a letter of appreciation for this task.

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.

APS Powers System Pvt. Ltd, India   *Intern Developer – Programming*   **Jun 2017 - Jul 2017**
- Developed logic for various ABB Drives in Code-sys to control motors.
- Designed panels using AutoCAD and analyzed wiring of the panel after assembling.

PAPER PUBLICATIONS

- **Text-it-Loud!:** Real-time Captioning and Transcribing App for Inclusive Teaching-Learning of Hearing impaired.
    - Research Paper got accepted in IEEE for inclusion in T4E IEEE Conference, 2019 and IEEE Xplore.

ACADEMIC PROJECTS

Trumer (In Progress)
- A research project to determine the probability of tweet being a rumor using Natural Language Processing.
- Extracted keywords and hashtags to create a dataset to be used in post-processing and semantic analysis. Determined the accuracy of the dataset. Processed comments using branch LSTM.
- Training a neural network to assign weights to outputs from various filters.

Tab-Overflow
- Developed chrome extension named "Tab-Overflow" to manage, access, and share tabs from any computer.
- Sorting of tabs based on the content of the webpage in a single click. Used Beautiful Soup for scraping. Implemented clustering by training our model on our self-created dataset.
- Developed 'Tap-Overflow' project in 'Mumbai Hackathon 2019' under 24-hour time frame.

Colorit
- Developed a program called 'Colorit' to convert grayscale images into a colorful image using Deep Learning and designed an artistic Graphical User Interface (GUI) for the same.
- Applied Convolutional Neural Networks (CNN) with encoder-decoder architecture.
- Created our own dataset of around 700 images for training.

Text-it-Loud!
- Designed a real-time speech recognition system for hearing impaired people as well as for conducting remote presentations and meetings. Implemented real-time Captioning and Transcribing App for Inclusive Teaching-Learning.
- It can be used in the background as a service. We have used Firebase and Google's offline speech-to-text.

SlipSwap
- 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. We are currently writing a research paper on the same.
- Technologies Used: Kyber, Node, Cryptocurrency, Algorithm.

Event Application Screening
- Developed an online platform where recruiters get sorted list of candidates from most suitable to least suitable candidate for job based on requirements and CV of students, using Javascript and PHP.
- Algorithm developed sort the resumes dynamically from most fit to least fit candidate for the job based on the input parameters. Weights are dynamically assigned for the various requirements, i.e. this works as pseudo neural networks.

AutoHTML
- Designed a web application and Trained a model to automatically generate a HTML file from picture of UI drawn by user on paper.
- We have used Contextual Grammar to give styling by adding bootstrap classes.

ONLINE COURSES
- Machine Learning by Stanford University on Coursera | Grade – 95.7%
- Deep Learning Specialization by deeplearning.ai on Coursera | Grade – 97.46%
- TensorFlow in Practice Specialization by deeplearning.ai on Coursera | Grade – 95.15%
- Introduction to Artificial Intelligence (AI) by IBM on Coursera | Ongoing

SOFTWARE SKILLS
- Programming Languages: - Python, C, C++, Java, MySQL, Prolog, Dart, LISP
- Web Technologies: - PHP, HTML, CSS, Bootstrap, JavaScript, Node, Ajax, Flask
- Tools and Software: - Android Studio, Flutter, MATLAB, Adobe XD, Inkscape, Github, QGIS
- Hardware: - Arduino, Raspberry Pi

ACHIEVEMENTS
- Won consolation Prize in "Junior Maths Olympiad" in 2012.
- Aced "Dr. Homi Bhabha Bal Vaidnyanik Competition" in 2012-2013.
- Aced "National Science Olympiad" in 2006 and "Science Foundation Examination" in 2010.
- Aced "State Scholarship Examination" in 2010 securing state scholarship.
- I ranked 217th in the "International Science Olympiad" in 2009.
- Secured 3rd place at "National Karate Championship" in 2011 and 2nd place at "Maharashtra State Karate Championship" in 2009.
- Consistently aced in "Maharashtra Dnyanpeeth" for 7 years with an average score of 88/100 and scored 90+/100 for 5 out of 7 years.
- I scored 76.83 percentile rank in "Maharashtra Talent Search Examination" in 2012.
- Secured 1st Grade in the "Ganit Sambodh" mathematics examination in 2008.

EXTRACURRICULAR ACTIVITIES
- Appointed as the Technical Team head at KJSCE Outreach, 2017-19. Worked to spread awareness about cyber-security via seminars at various schools, offices, and rural areas.
- Volunteered for the M.A.D Foundation, an initiative to beautify the railway stations of Mumbai (36 stations) by painting posters, 2016.
- Active member of Art Team of College – INSIGNIA in 2016-17
- Playing Karate since 2004 and have achieved Blackbelt in karate. Have won many competitions in karate.
- Ranked 2nd in ACM ICPC – 2019 online round at Institute level.
- Our band won annual Inter-departmental Music contest in 2019 - I played Guitar.