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TECHNICAL SKILLS:

Programming Languages – Python , R, MATLAB , Kotlin, C, C++, JAVA

Frameworks- Tensorflow,PyTorch,Flask.

Web Technologies – PHP, MySQL, HTML, CSS, JavaScript.

NICHE SKILLS:

Image processing- OpenCV

MachineLearning –Supervised and Unsupervised.

Deep learning- Artificial Neural Networks, Convolutional Neural Networks, Generative Adversarial Networks.

Natural Language Processing- Word Embeddings, Trie, RNN, LSTMs

Recommendation Systems- Collaborative Filtering, Content-Based, Hybrid.

RESPONSIBILITIES:

President Association of Computer Engineers SSN College of Engineering **2020-21**.

Chairman ACM-W student chapter SSN college of engineering **2020-21.**

Vice-Chairman ACM-W student chapter SSN college of engineering **2019-20**.

Membership Chair of ACM-W student chapter **2018-19**.

Global Ambassador at Women Tech Network.

Jahnavi Srividya S

A final year Computer Science and Engineering student, an aspiring Data-Scientist, a vivid Hackathon aficionado.

HERE'S MY STORY:

I am a woman who loves research and enjoys every second being buried in data. I am very keen on developing my skills and making sure that everything I ever produce is the best of its time. I am great at ideation and problem-solving. Having participated in several prominent hackathons and coming up with top ideas, I want to start my own company one day and convert my research into a real-world product.

EDUCATION:

B.E, Computer Science & Engineering (currently pursuing)
SSN college of engineering,kalavakkam. **8.39 CGPA 2017-21**

12 th (Senior Secondary Examination)
Kendriya Vidyalaya No.2 kalpakkam , CBSE Board, **94.8% 2016-17**

10 th (Secondary Examination)
Kendriya Vidyalaya No.2 kalpakkam , CBSE Board, **10/10 CGPA 2015-16**

INSTERNSHIP:

HYPERDOC - **Bay area SanFransisco, CAL, USA - *Data Science Intern*, Mar'20 - present**
Involved in testing **Natural Language Processing techniques for applications.**

TAKENMIND - ***Data Analytics Intern*** **, Dec'18**
Underwent a one-month training program on **data analysis and visualisation using python** .Includes learning python libraries for data manipulation and analysis such as pandas and numpy ,and Matplotlib and Seaborn for Data visualisation.

Department of Atomic Energy, Kalpakkam - ***In-Plant Training*** **, Dec'18**
Developed an App that would automatically notify latest updates from other government websites using **Web Scraping**.

Department of Atomic Energy, Kalpakkam - ***In-Plant Training*** **, Jun'18**
Underwent a one-month training program on **Computer Networking Protocols and Database Administration**.

PUBLICATION:

ImageCLEF 2019: A 2D Convolutional Neural Network Approach for Severity Scoring of Lung Tuberculosis using CT Images

CLEF 2019, 9-12 September 2019, Lugano, Switzerland
At ceur-ws.org – link: http://ceur-ws.org/Vol-2380/paper_133.pdf

ACHIEVEMENTS:

Selected for attending the **Google Resarch India AI Summer School 2020**

GHCI'20 SCHOLAR - A scholarship awarded to promising women technologists by AnitaB.org and ACM

WINNER of CODHER'20 Hackathon conducted by College of Engineering Guindy (AnnaUniversity)

BEST WOMEN TEAM in National Level Hackathon-BITS and BYTES 2018- Classification of Tuberculosis

TOP CODER in Major League Hackathon 2018

FINALIST IN THE SMART INDIA HACKATHON 2020

FINALIST IN THE SMART INDIA HACKATHON 2019

RANKED 9 th in the CrowdAi challenges2019-Severity Scoring and classification of Tuberculosis.

TOP 7 in the Hack-Off V2.0 conducted at VIT vellore

ACADEMIC PROJECTS:

CLASSIFICATION OF PULMONARY TUBERCULOSIS	We developed a **CNN model using Tensorflow** ,to classify CT scans of the lungs of patients suffering from Tuberculosis into its 5 types.
WEED CONTROL ROBOT	A robot that differentiates a weed from the crop plant and distributes the usage of weedicides accordingly. (**SVM, logistic regression** with featureextraction using **HOG, SURF** -a study)
SCRIBE+	A voice prescription App that records the session between a doctor and a patient to generate a report using **NLP-Named Entity Recognition(Spacey)** that retrieves key details from the session transcript to generate a report/prescription.
INTELLIGENT COLLEGE RECOMMENDER	A web application that can effectively recommend colleges to students based on their preferences in location, infrastructure etc using **K-means clustering.**
SAFE TRIP RECOMMENDER	A Travel Recommender that recommends places to visit based on the ratings of users especially women and takes into consideration the safety of these places using **collaborative filtering technique - Baseline Only algorithm.**
GLOBTROTT(A)R	**A gamified social media app for travellers** that recommends deals on hotels, flights etc. The users can collect flags from the places they visit using AR , which is traded for offers.
VOICE ENABLED CODING ASSISTANT	A voice-enabled DataScience **Coding Assistant for the Dyslexic** .The assistant codes the skeleton of any DataScience algorithm through voice commands in natural language.
VOICE CLONING APP	A voice cloning application that can regenerate a voice upon processing a few minutes long audio recording of a person, Using **SV2TTS and Tacotron2**.
EMOTION (FACIAL EXPRESSION) BASED MUSIC PLAYER	We developed a fisherface classification model that can predict 5 emotions based on the user's facial expressions and play songs correspondingly using **OpenCV** .
PEE IN PEACE	A Restroom Recommendation App for women who travel. With a state of the art reviewing and rating system that enables efficient prediction of the clean-unclean cycles of the toilets throughout the day using Machine Learning.
RESEARCH PROJECT WITH GANs	A Research project in collaboration with Dr Zona Kostic, Research Scientist and Lecturer at Harvard University that aims to generate renovated looks of real estate images using GANs for resale.

EXTRA-CURRICULAR ACTIVITIES:

Member-Google's Women Techmakers

Member-Google Developers Club SSN student Chapter

Conducting workshops on data science, ML, DL and Hackathons for college students through ACM-W student chapter.

Winner of collegiate **Chess** Tournaments.

Regional Level **Tennis** Player

Painting/sketching
Art Portfolio - https://instagram.com/paintdiaries?igshid=15jb1q7ubjhz6

Ranked 26th in the Zone - **National Cyber Olympiad** 2016 by SOF.

Attending Online Seminars on Statistics by Stanford University.

Languages known – English, Tamil , Hindi , German.

CERTIFICATIONS:

AI:knowledge representation and reasoning - NPTEL.

Data-analytics - Internshala.

Designing Machine Learning Workflows in Python - DataCamp

Hyperparameter Tuning in Python - DataCamp

Data Analysis and Visualisation - Udemy

Named Entity Recognition using LSTMs with Keras - Coursera

Sentiment Analysis with Deep Learning Using BERT - Coursera

Generate Synthetic Images with DCGANs in Keras - Coursera

Neural Style Transfer with TensorFlow - Coursera

Enterprise Design Thinking-Practitioner Badge issued by IBM.

Enterprise Design Thinking-Team Essentials for AI Badge issued by IBM .

Machine Learning - MATLAB

Deep Learning - MATLAB