SHRUTI GUPTA

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute	Percentage/CGPA
2019	M.Tech in Information Technology	NIT Patna	8.61
2016	B.Tech. in Computer Science	JIIT Noida	6.6
2011	XII (CBSE)	St. John School, Kota	73.4
2009	X(CBSE)	K.V. Sarni	84.2

PUBLICATIONS

Pitch-synchronous Single frequency Filtering for Speech Emotion Recognition

Submitted in Multimedia Tools and Applications(SCI Indexed Journal)

https://arxiv.org/abs/1908.03054

Synthesis of Emotional Speech by Prosody Modification of Vowel Segments of Neutral Speech

Journal : Recent Patents on Computer Science

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3349023

KEY ACADEMIC PROJECTS

Pitch-synchronous Single frequency Filtering Spectrogram for Speech Emotion Recognition   Jul 2018 - Jun 2019

- Proposed Pitch-synchronous Single Frequency Filtering Spectrogram as an alternative representation of speech for Speech Emotion Recognition(SER)
- Attempted to solve the problem of SER using deep Convolutional neural network
- Obtained a significant improvement of +7.35% and +4.3% for weighted and unweighted accuracy values respectively over the state-of-the-art results.
- Technology and Languages : Python, Keras, MATLAB

Synthesis of Emotional Speech by Prosody Modification of Vowel Segments of Neutral Speech   Aug 2018 - Jan 2019

- Synthesised emotional speech from neutral speech using prosodic features
- Modified only the Vowel Like Region(VLR) of a sentence
- Achieved better results by modifying prosody features of VLR than at the syllable level, further reducing the time complexity.

Summer Training in Hp(Core Java)   Jun-Jul 2015

- Learnt core concepts of java.
- Implemented a project on ATM functionalities using core java concepts.

TECHNICAL SKILLS

- **Languages :** C, JAVA, MYSQL, Python
- **Software and Tools :** MATLAB
- **Courses :** Machine Learning, Information Retrieval, Data Structures.
- **OS :** Windows, Linux