VISHNU SWAROOP G

INTRODUCTION

I have hands on work on Python, Google Cloud and Chat-bots for NLP. Java, SQL and JS in banking software. MATLAB in Music processing leading authoring 2 papers and co-authoring 3 more in peer reviewed papers. Worked on Heuristics in a group project leading to a peer reviewed paper

KEY POINTS

ML/AI, DNNs, Heuristics, NLP, Chat-bots, Audio processing, Image processing and Banking Software

EXPERIENCE

Software Engineer   Mazumdar Shaw Centre for Translational Research,

From APR-21

- Working on ECG data and COVID datasets.

Software Engineer   Zycus Infotech,

APR-20 to Sep-20

- Worked on Chat-bots using Google Dialogflow and Google cloud.
- Partially worked on wake-up word detection

Associate Consultant   Oracle Financial Services Software Ltd.,

Aug-18 to Dec-19

- Worked for OBDX team from 23rd August 2018.
- Worked on UI customisation for OBDX 17 and OBDX 18. Worked on OBLM 14.3 and further customizing for client

HIGHEST EDUCATION

Graduated as MTech in Research NITK SURATHKAL,   *2015/18*
- Master Thesis: TALA INFORMATION EXTRACTION FROM CARNATIC MUSIC CLIPS
- Developed and evaluated an algorithm for extract Tala of a song using the Mridanga solo from the data. Research led to 2 publication in peer revered portals
- Segmentation of skin cancer using Genetic algorithm for finding optimal threshold
- Big Data book recommendation for readers using Hidden Markov Model
- Job Shop Scheduling using Heuristic Approach. Generated 1 publication in peer reviewed portal

Paper Published During NITK,   *2015/18*
- "Fast Convergence to Near Optimal Solution for Job Shop Scheduling using Cat Swam Optimisation", 7th International Conference on Pattern Recognition and Machine Intelligence (2017). Vivek Dani, Aparna, Vishnu Swaroop, Prof. Dr.G. Ram Mohana Reddy and Shridhar Domanal
- "Vocal and Non-vocal Segmentation based on the Analysis of Formant Structure", Ninth International Conference on Advances in Pattern Recognition (2017). Srinivasa Murthy Y V, Shashidhar G Koolagudi, and Vishnu Swaroop
- "Onset Detection of Percussion Instrument: Mridanga", IndiaCom 5th International Conference on Computing for Sustainable Global Development (2018). Vishnu Swaroop G, Murthy YV Srinivasa, and Shashidhar G. Koolagudi
- "Objective Assessment of Pitch Accuracy in Equal-Tempered Vocal Music using Signal Processing Approaches", IndiaCom 5th International Conference on Computing for Sustainable Global Development (2018). Roshni Biswas, Murthy YV Srinivasa, Shashidhar G. Koolagudi and Vishnu Swaroop G
- "An approach for Mridanga stroke transcription in Carnatic music using HGCC", TENCON (2019). Vishnu Swaroop G and, Shashidhar G. Koolagudi

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EDUCATION LIST

MTech (Research) - NITK *(7.74)*

B.E. - REVA ITM *(64.74%)*

12th - KLE PU COLLEGE *(68 %)*

10th - GNANA TEJA ENGLISH SCHOOL *(86.24%)*

CONTACT

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Bangalore, India

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LinkedIn:

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PERSONAL INFORMATION

Date of Birth:

21/04/1993

Marital Status:

Single

TECHNOLOGIES

Python / MATLAB / Java / JavaScript / C / C++ / RDBMS / Git

TOOLS and Libraries

/ Jupyter / Conda / Terminal / Docker / Postman / Locust / Jenkins / Ojet / Flask / Excel / Spacy / Tensorflow / PyTorch / NLTK/ Keras / Pandas / Json / Latex / Google Cloud Services / Knockout JS / MS Office / Oracle SQL / Oracle Fusion Middleware

OPERATING SYSTEMS

Linux / Windows / macOS

"If I have seen further it is by standing on the shoulders of Giants." - Isaac Newton