RACHAKONDA SAI KESAV

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CAREER OBJECTIVE

Glancing for a challenging career that will demand the best of my professional ability and tether my ability and analytical skills and enable me to be part of the organisation's development with my current skills and knowledge in the specific and needed field.

TECHNICAL SKILLS

Deep Learning	Neural Networks, CNN.
Machine Learning	SVM, KNN, K-means clustering, Linear Regression, Decision Trees.
NLP	LSTM, Word Embedding, Fasttext (pursuing), Transformers (pursuing).
Programming Languages	Matlab, Python.
Typesetting Document	Latex, MS Office, Spreadsheets.

EXPERIENCE

Federated AI Services   December 2020 - June 2021
AI Intern   *Coimbatore, Tamil Nadu*

· I was responsible in research and study about the methods of online character recognition and was assigned the task of building a recognizer model using a less word corpora of English for the recognition of characters and words.

PROJECTS

Ink Recognition using TDNN and Bi-LSTM   December 2020 - June 2021
Federated AI Services   *Coimbatore, Tamil Nadu*

· Recognition of online handwritten characters for english using a combined architecture of TDNN and Bi-LSTM using a less word corpora. For achieving a better recognition rate smoothing algorithms were implemented.

Dependency Parser for Hindi using Integer Linear Programming   August-December 2020
Amrita Vishwa Vidyapeetham   *Coimbatore, Tamil Nadu*

· An introductory level of dependency parser for Hindi using Paninian Grammar aesthetics, by convexifying the input taken in form of integers and to establish a dependency between the words in a Hindi sentence.

Using Deep Learning architecture for PCG classification using Spectrogram February-April 2020
Amrita Vishwa Vidyapeetham   *Coimbatore, Tamil Nadu*

· Implementing a CNN architecture for classifying multiple PCG signals converted into spectrograms, without any trivial pre-processing techniques.

PUBLICATIONS

R Sai Kesav, Premjith B, Soman K P, **Dependency Parser for Hindi using Integer Linear Programming**, International Conference on Advances in Computing and Data Sciences2021, (Accepted).

R Sai Kesav, Bhanu Prakash M, Krishanth Kumar, Sowmya V, Soman K P, **Using Deep Learning Architectures for Phonocardiogram Signal Classification using Spectrogram**, International Conference on Advances in Computing and Data Sciences2021, (Accepted).

R Sai Kesav, Barathi Ganesh HB, Premjith B, Soman K P, **Ink Recognition using TDNN and Bi-LSTM**, International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks2021, (Accepted).

EDUCATION

Amrita Vishwa Vidyapeetham   *2019-2021*
Masters of Technology
Computational Engineering and Networking (Data Science)
Overall GPA: 7.30

SRM Institute of Science and Technology   *2015-2019*
Bachelors of Technology
Mechanical Engineering
Overall Percentage: 80%

CERTIFICATIONS

Tableau Desktop Certified Professional   August 2021
Tableau Associations

Tableau Desktop Certified Professional Certification Valid from 27/08/2021 to 27/07/2024.

Natural Language Processing using Python   July 2020
Online Course   *Udemy Platform*
· This course familiarizes students with basics and Insights of NLP using python.

AI for Medical Diagnosis   August 2020
Online Course   *Coursera Platform*
· This course provides the information and knowledge about the best practices and industry standards to apply into healthcare for enabling better diagnosis of diseases.

OTHER HIGHLIGHTS

TRAC-2   March 2020
Coda Lab

TRAC-2 Shared Tasks on Aggression Identification and Misogynistic Identification for a Bengali Dataset conducted in CodaLab.

Technical Team Organiser   March 2018 - December 2018
Team Envision   *SRMIST*
· An Organiser for Technical Team which focused on reinventing and reducing resource use in college premises.