

Srividhya Ravichandran

Bachelors of Information Science

Passionate about Computer Science, strong convictions that technology can help humanity.

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EDUCATION

B.E (Information Science and Engineering) Ramaiah Institute of Technology

07/2017 - Present

9.12

Pre University

Vidya Mandir Pre University College

06/2015 - 05/2017

95%

RESEARCH WORK

iMood : Automated Depression Detection Tool. (2018)

- Used Natural Language Processing to detect the change in sentiments in a user's tweet over time using the IBM Watson Tone Analyzer.
- This project has been published in the International Research Journal of Engineering and Technology.

A Survey on Multilingual Code Switching in Social Groups (2019 - Present)

- Literature survey paper that reviews computational approaches for code-switched Speech and Natural Language Processing.
- Presented the paper at the International Conference on 'Recent Innovative Trends in Computer Science and Applications' (ICRITCSA - 2019) at Ramaiah Institute of Technology.
- This paper is currently under the process of being published in the Journal of Theoretical and Computational Nanoscience at American Scientific Publishers(ASP)

OCR Based Facilitator with Emotion Detection for the Visually Challenged (04/2020 - Present)

- Implemented Raspberry Pi, integrated with Image processing algorithms, Optical Character Recognition (OCR) and Text to Speech (TTS) synthesis module, to help the visually challenged to listen to high quality audio rendering of scanned pages with appropriate contextual emotions and modulations.
- This paper has been accepted for publication in the International Journal of Scientific Research in their December 2020 edition

INTERNSHIPS

Software Developer Intern TechFortune Technologies

07/2020 - 09/2020

Bangalore

Achievements/Tasks

- Developed a Parkinson's disease prediction Machine Learning model using XGBoost, Random Forest and Naive Bayes classifiers on the Parkinson's Speech dataset.

Software Engineering Intern Pogeyan Technologies

01/2020 - 04/2020

Bangalore

Task

- Implemented a Robotic Process Automation (RPA) using SAP Conversational Artificial Intelligence (CAI) for the goods receipt scenario using Gradient Boosting and Decision Tree algorithms.

SKILLS

NLP and NLU

Python

Machine Learning and AI

Web Development

Databases

C

C++

R

Java

Data Structures and Algorithms

VOLUNTEERING

Sponsorship Core Committee Volunteer (11/2017 - Present)

Aided in bringing various companies, organizations and brands to visit our college during the annual fest, Udhbav.

Nature Club Volunteer (2018)

Participated in a walk-a-thon to aid in the mission of banning excessive bursting of fire crackers. Designed, created and displayed posters to support the cause.

7Cups - Trained Listener (06/2020 - 09/2020)

Volunteered as a Trained Listener for 100 hours to help people with issues such as mental health and anxiety, at the organization of 7 Cups, California.

CERTIFICATES & ACHIEVEMENTS

Machine Learning with Python (05/2019 - 07/2019)

Certified in Machine Learning: Offered by Cognitive Classes

Database Management Systems (07/2019 - 09/2019)

Offered by IIT Kharagpur with a recognition of Elite+ Silver performance

Core Java (06/2018 - 08/2018)

Certified in Core Java by the academic council of NIIT.

Discrete Mathematics (07/2018 - 10/2018)

Offered by IIT Madras with a recognition of Elite performance.