Srividhya Ravichandran

Masters in Computer Science at NYU

✉ sr5962@nyu.edu

☎ +1 9342103518

📍 Brooklyn, United States

🌐 srividhyaravi.github.io/portfolio/

in linkedin.com/in/srividhya-ravichandran-ab0182175

⚙ github.com/srividhyaravi

SKILLS

Python C Java

Big Data NLP

Machine Learning

Web Development

MongoDB/MySQL

Image Processing

Data Structures

Algorithms Android

HONORS & ACHIEVEMENTS

Received a merit based scholarship from NYU for demonstrating exemplary potential for success in advanced engineering studies.

Awarded the Best outgoing student for academic excellence and in co-curricular and extracurricular activities.

Received a recognition by IIT Madras in Discrete mathematics for Elite performance.

EDUCATION

MS in Computer Science
New York University

09/2021 - Present   *New York City, NY*

BE in Information Science
Ramaiah Institute of Technology, Bangalore

06/2017 - 08/2021   *First class with distinction, 9.2 GPA*

INTERNSHIPS

Software Engineering Intern
Verizon Media

06/2021 - 08/2021   *Bangalore, India*

Task

□ Developed an interactive dashboard which displays the real time data metrics queried from Yahoo Pipelines.The data metrics can be used for performance analysis in the Yahoo Ad Business.

□ The trends in current usage of the metrics and spikes in traffic can be observed to analyse the performance.

□ **Technologies used** : Python, Chart.js, Bootstrap, Flask, Vue.js, Angular,HTML, CSS, Javascript, MySQL.

Software Engineering Intern
Pogeyan Technologies

01/2020 - 04/2020

Task

□ Developed a stock informing bot using SAP Conversational AI (CAI) integrated with an SAP S4HANA database for the goods receipt scenario.

□ Business bots can help to automate mundane and recurring manual activities that occur and increase the operational efficiencies and user satisfaction.

□ **Technologies Used**: Python, SAP Conversational AI, SAP S4HANA database, SAP cloud cockpit, Flask, REST API.

PROJECTS & PUBLICATIONS

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.

Augmented Library

□ Developing a mobile app for NYU's Bern Dibner Library for accessing library resources, reserving meeting rooms and enabling virtual library tours using Augmented reality and big data.

OpenTutor (2020)

□ GUI software for sorting algorithms that enables users to analyze the sorting algorithms, compute how the operations work on an integer array and visualise the sorting process.

A Survey on Multilingual Code Switching in Social Groups (2019 - 2020)

□ 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).This paper is published in the Journal of Theoretical and Computational Nanoscience at American Scientific Publishers(ASP)

OCR Based Facilitator with Emotion Detection for the Visually Challenged (2020)

□ 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 published in the International Journal of Scientific Research in their December 2020 edition.

A Text based hybrid approach for multiple emotion detection using contextual and semantic analysis (2021 - Present)

□ Hybrid model is used which is capable of resolving ambiguities present in the text and also capturing the multiple emotions present in the textual data.

□ Accepted for publishing at IEEE Xplore at the International Conference on Innovative Computing, Intelligent Communication and Smart Electrical systems (ICSES -2021)