

Srividhya Ravichandran

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OBJECTIVE

To obtain a creative and challenging position that gives me an opportunity to effectively utilize my technical, innovative and logical skills to contribute to the growth of the organization.

EDUCATION

Ramaiah Institute of Technology

Bachelor of Engineering, Information Science

CGPA: 9.06

Expected Graduation: May 2021

Vidya Mandir Pre-University College

Percentage Aggregate: 96%

EXPERIENCE:

Pogeyan Technologies

Software Engineering Intern

Jan 2020-Present

- ☐ Developed an AI Conversational Chatbot to automate a purchasing scenario with integration with SAP S4HANA.
- ☐ This chatbot involved This project has been published in the International Research Journal of Engineering and Technology. Link to paper: [Click here](#)

PROJECTS

iMood, Automated Depression Detection Tool

Aug 2018 – Sept 2018

- ☐ I used the concepts of Natural Language Processing to detect the change in sentiments in a user's tweet over time.
- ☐ IBM Watson Tone Analyser is used to detect the emotional tone. I scraped tweets using Tweepy and Requests in Python. I also used libraries like Flask and Chart.js.
- ☐ This project has been published in the International Research Journal of Engineering and Technology. Link to paper: [Click here](#)

Count triplets in a sorted doubly linked lists with a given sum

Sept 2018 – Nov 2018

- ☐ Implemented the logic using a three-pointer approach to traverse through the list. I also implemented various insert, delete and sort operations on the linked list.
- ☐ Finally displayed the relevant triplets that summed up to the given target total.

Bluetooth Controlled Robot Car using Arduino

May 2019- July 2019

- ☐ Implemented the concepts of Microprocessors 8086 in order to develop a Bluetooth Controlled Bot
- ☐ Created an application which controls the movement of the car which operates via Bluetooth

Recognition of Roasted Coffee Bean Levels and Defects using Digital Image Processing and ResNet50 CNN

Oct 2019- Present

- ☐ I used the concepts of Digital Image Processing to identify the defects in coffee beans and determine the health of the bean using image processing techniques and Neural Networks.
- ☐ Worked with GNU Octave using MATLAB to perform various manipulations on the coffee dataset and also worked with Google Colab which is a free Jupyter Notebook environment.
- ☐ Currently working on a research paper for the same.

Credit Assessment Model using Machine Learning

January 2020-Present

- ☐ Designed and developed a sophisticated Machine learning model which helps to determine whether loan can be granted for a potential customer
- ☐ Performed predictive analysis with Logistic Regression, Decision Trees, Random Forests and XGBoost.

ON CAMPUS INVOLVEMENT

Sponsorship Core Committee at Ramaiah Institute of Technology

August 2017– September 2019

Sponsorship Leader

- ☐ Aiding in bringing various companies, organizations and brands to visit our college during the annual fest, called Udhbav.
- ☐ This helped me develop strong leadership and communication skills.

Entrepreneur Management Project

November 2018

Participant

- ☐ Interviewed a major entrepreneur in the food industry and learnt about the pain points contributing to the success of their venture.
- ☐ Learnt the importance of critical and creative thinking, and effective decision making.

Nature Club Walkathon

November 2018

Participant

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

EXTRACURRICULAR ACTIVITIES

- ☐ Active member of the MSRIT Coding Club.
- ☐ Attended the Augmented and Virtual Reality Workshop.
- ☐ Active member of the Developer's Student Club.
- ☐ Attended and received a certificate for the Open Stack Development Workshop

CERTIFICATIONS

- ☐ Certified in Core Java by the academic council of NIIT.
- ☐ Certified in Discrete Mathematics by the National Program on Technology Enhanced Learning (NPTEL) with a recognition of Elite performance.
- ☐ Certified Sponsorship member at the Ramaiah Institute of Technology.
- ☐ Certified in Database Management Systems by the National Program on Technology Enhanced Learning (NPTEL) with a recognition of Elite performance.
- ☐ Certified in Machine Learning with Python by Cognitive Class of IBM
- ☐ Certified in the Foundations of Front-End Web Development course by Udemy

SKILLS

- ☐ **Programming Languages:** C,C++, Java, Python
- ☐ **Software:** Eclipse, NetBeans, Spyder, SolidEdge, Pycharm, Jupyter Notebooks, GitHub, Code Blocks,Android Studio
- ☐ **Databases:**MySql,MongoDB
- ☐ **Web Technologies:** HTML,CSS,JavaScript
- ☐ **Libraries:** Numpy,Pandas,NLTK
- ☐ Proficient in Windows and Unix, Microsoft Word, PowerPoint, Excel, Outlook
- ☐ **Languages:** English, Tamil, Kannada, Hindi
- ☐ **Soft Skills:** Leadership, effective communication, motivation, teamwork and problem solving and negotiation skills.

