

VARSHA SOWRI RAJAN

B.Tech., Computer Science and Engineering

Gender: Female

Date of Birth: 12/06/2001

E-mail: varsha.sowri.rajana@gmail.com

Contact: +919150766048



Educational Qualifications:

- SASTRA Deemed University, Thanjavur** **June 2023**
B.Tech., Computer Science and Engineering
CGPA: 8.0175/10
- Sunrise English Private School, U.A.E** **March 2019**
CBSE Senior Secondary Certificate (Class XII)
Percentage: 92.8
- Sunrise English Private School, U.A.E** **March 2017**
CBSE Certificate (Class X)
CGPA: 10/10

Internship Experience:

- Data Analyst Intern | Routematic, Bangalore** **May 2023**
Responsible for developing a Transformer model to find the best routing sequence to be taken by vehicle fleets, taking into consideration features like Latitude, Longitude, Locality, elevation etc. Trained the model using data collected over several years by the company using **Python** programming language.

Projects:

- Evaluating texture feature characteristics for image classification – A machine learning approach** **January 2023**
Worked on the above paper by creating a machine learning model to classify medicinal leaves. The model uses Gabor Filters to analyze textural features of leaves mimicking the human visual cortex to yield better results when fed into Support Vector Machines and hence eliminates the need for computationally intensive neural networks model.
- Weed detection using GANs** **June 2022**
Created a deep learning based Generative Adversarial Network (GAN) to help in early detection of weed to help reduce spraying of herbicide. This project touched upon basics of Convolutional Neural Networks and GANs and was done using **Python** programming language.
- Discord Bot** **August 2021**
Created a Discord Bot that displays an encouraging message when it detects a depressing word from the provided list. It also fetches inspirational quotes on command using API and my playlists from Spotify. This project was done using the **Python** programming language.

- **Nashville Housing Data Cleaning**

September 2021

Performed Data Cleaning on Nashville Housing dataset (with 56478 entries). I eliminated unwanted fields, split fields to make data more readable and formatted it accordingly. This project was done using **SQL**.

Technical Skills:

Programming languages : Python, C, C++, SQL

Soft Skills:

Leadership skills, time management, effective verbal and written communication, problem solving ability, versatile and quick-learner, ability to handle multiple tasks and meet deadlines

Extra-Curricular and Leadership Activities:

- **Content Writer | DAKSH**

August 2020 - Present

Provide SEO content for social media platforms for the Daksh page and provide content for any events put up by Daksh. Published a sci-fi movie review on Medium.

- **Video Editor | DAKSH**

August 2020 - August 2021

Edit videos for the Daksh Instagram page and promote events by putting up related videos. Posted video as a tribute to the Tokyo Olympics 2020 contestants from India.

- **Sports Captain | School**

June 2017 - March 2018

Captained the girls' football team in my school and won Runners Up at GCC level football clusters. We also participated in the Nationals that took place in Gujarat. Was also the Sports Captain of the school in charge of all sporting activities and coordination for girls.

- **Head | Gaanavarshini**

September 2019 - Present

One of the two heads at Gaanavarshini (Carnatic and Namasankeerthanam Team of SASTRA). Responsible for planning events, conducting meets and scheduling the over-all activities of the team.

Languages known:

English, Tamil and Hindi

Interests and Hobbies:

Carnatic music, cricket, football, reading and movies

Declaration:

I hereby declare that all the above given information is true and correct to the best of my knowledge and belief.

Chennai

Varsha Sowri Rajan