# KEERTHIRAJAN S

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## SUMMARY

A passionate computer science student. Smart working, competitive programmer and driven to work quickly and effectively on projects. Interested in doing works that offers professional challenges utilizing interpersonal coding skills, excellent time management and problem-solving skills. I bring a relaxed yet focused approach to my work, blending professionalism with a touch of laid-back style. Having been passionate about leveraging technology to drive significant impact, I have always been driven to the dynamic realms of software development and data analytics. Always open to work on problem solving projects. Looking forward to improve skills and to explore things and learn !

## EDUCATION

### Kanchi Global School
Higher School Education
2018-2019
79%

### Sri Venkateswara College Engineering
Bachelor's Degree in Computer Science
2019-2023
8.862

## PROFESSIONAL EXPERIENCE

### Project Intern
TCS iON | Nov '21 - Dec '21

- Developed a Real-time model for Sentiment Analysis on Twitter textual comments. Used Tweepy for extracting Real-time Data.
- Integrated it with Flask Web App, where the user can give either "Hashtags" or "Username" as input and the model will give the sentimental feedback of how much it is Positive, Negative and Neutral.

### Web Development Intern
The Sparks Foundation | May '21 - June '21

- Built a payment gateway website where the user can send money and receive a receipt for the payment they made to their respective mail using modern JavaScript frameworks, HTML5 and CSS3.
- Helped Co-members in the Organization on their projects.

### Data Science Intern
Lets Grow More | Sep '21 - Oct '21

- Did an Intermediate level project of Exploratory Data Analysis on Terrorism Data acquired from all over the world.

## PERSONAL PROJECTS

### Efficient Water Quality Analysis and Prediction using Machine Learning

- Developed an ML model to analyze the quality of water by numerous factors such as ph value, turbidity, hardness, etc.
- Used Flask for UI integration.
- Deployed and hosted the end-to-end model in IBM cloud.

### GI Tract Segmentation

- Built a Deep Learning model to segment the GI Tract organs from Tumor in-order to give the correct dosage of medication.
- For UI part, integrated it with Flask Web App. MRI Scan images are given as input and the model will process and segment it, then the segmented organs will be presented as output in image format.

### Personal Portfolio

- Built a Personal Portfolio using modern HTML, Bootstraps, Javascript and CSS and hosted it on Github.
- https://keerthirajan026.github.io/keerthirajan-portfolio/

## PUBLICATIONS

- Presented a paper Titled "A Comprehensive Review on Optimized Approach for Gastro-Intestinal Tract Segmentation to Improve Cancer Treatment" at National Conference on Innovative Computing Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET'23), held in SVCE, Tamilnadu.

- Presented a paper Titled "SENTIMENTAL ANALYSIS OF TWITTER COMMENTS – A SURVEY" at National Conference on Youth Advanced Computational Convergence (YACC'23), held in RGNIYD, Tamilnadu.

## SKILLS

- Problem Solving
- Programming
- Time Management
- Computer Skills
- Multi-Tasking
- GIT
- C/C++
- Python
- Java
- Web Development
- React JS
- Machine Learning

## CERTIFICATIONS

- IBM certified Efficient Water Quality Analysis and Prediction, **ICT Academy,** 2023
- Introduction to API Designing, **API Academy,** 2023
- Machine Learning, **Stanford University**, 2022
- Programming Foundations with JavaScript, HTML and CSS, **Duke University**, 2022
- PHP & MySql, **Udemy,** 2021
- Programming in JAVA, **NPTEL,** 2021
- Introduction to Relational Database and SQL, **Coursera,** 2020
- Programming for Everybody - Python, **University of Michigan,** 2020
- Introduction to web development, **UC Davis**, 2020

## INTERESTS

- Music
- Car Enthusiast
- Travel
- Technology

## LANGUAGES

- Tamil - Native / Bilingual Proficiency
- English - Full Professional Proficiency