

# RAGAVARSHINI S

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## Education

<b>Vellore Institute of Technology</b> <i>MTech Integrated Software Engineering</i>	<b>2020-2025</b> <i>CGPA- 8.62</i>
<b>Ethiraj Matriculation School</b> <i>TNHSC</i>	<b>2020</b> <i>Percentage- 87</i>
<b>Ethiraj Matriculation School</b> <i>TNSSLC</i>	<b>2018</b> <i>Percentage- 93.2</i>

## Skills

**Software Core:** Java, OOPS, Data Structures, Operating System, Networks, DBMS, Testing, Python

**Development:** FrontEnd Development, Machine Learning, Data Science

**Tech/Tools:** Github, Jupyter, Spyder, IntelliJ, VSCode, Selenium (Testing)

## Experience

<b>SmartInternz</b> <i>Student Intern(DS)</i>	<b>May 2023 - July 2023</b> <i>Remote</i>
<ul style="list-style-type: none"><li>Gained in-depth knowledge of data science concepts and techniques at SmartInternz through practical projects and mentoring.</li><li>After extensive data exploration through analysis, preprocessing, visualisation, and rigorous training and testing with several machine learning techniques, <b>Support Vector Machine(SVM)</b> was shown to be the most efficient algorithm for classifying thyroids (<b>81 Percent</b> accuracy).</li></ul>	
<b>Rotatract Club VIT</b> <i>Student Mentorship Management</i>	<b>August 2023</b> <i>Vellore</i>
<ul style="list-style-type: none"><li>Led and managed mentorship initiatives for over 4000 orphan students, providing guidance and support in their learning journey. Collaborated with fellow mentors to foster a supportive environment, sharing expertise to empower mentees to achieve their goals effectively.</li><li>Played a pivotal role in creating an enriching learning environment, ensuring each student received personalized support and guidance to excel.</li></ul>	

## Projects

<b>Phishing Website Creation and Detection with PyPhisher and XGBoost</b>   <i>Python, Kali Linux</i>	<b>March 2023</b>
<ul style="list-style-type: none"><li>Enhanced cybersecurity with a comprehensive solution integrating PyPhisher for realistic threat simulation in Kali Linux and XGBoost for robust detection in Jupyter, achieving a <b>98 Percent accuracy rate</b>.</li><li>Developed a user-friendly website for wider implementation, democratizing advanced detection capabilities and bridging the gap between realistic threat simulation and cutting-edge machine learning in cybersecurity.</li></ul>	
<b>Registration portal for firm built on R and D</b>   <i>Java</i>	<b>May 2022</b>
<ul style="list-style-type: none"><li>Online mock test registration portal streamlines the process, enabling quick and easy registration for applicants. Users receive immediate confirmation upon submission, ensuring a seamless experience without delays.</li><li>Employed various Java and JavaFX controls to design an intuitive user interface. Integrated JavaFX menus to facilitate user navigation within the portal. Implemented JavaFX events to ensure smooth functionality and responsiveness throughout the registration process.</li></ul>	
<b>Building an Interactive Quiz App</b>   <i>HTML, CSS, JavaScript</i>	<b>October 2020</b>
<ul style="list-style-type: none"><li>Utilized JavaScript functions to enable user interaction, allowing users to select answers and navigate through questions seamlessly. Employed JavaScript event listeners to dynamically change button colors based on user selections, providing immediate visual cues for correct and incorrect answers.</li><li>Implemented JavaScript logic to calculate and display the user's score upon completing the quiz, adding a dynamic element to the user experience.</li></ul>	

## Certifications

- Amazon - AWS Cloud Partitioner (2023)
- Google Developers - Applied Data Science (2023)
- Coursera - HTML, CSS, JS for Web Developers (2022)
- DevTown - Bootcamp on hotstar clone using HTML, CSS and Bootstrap (2021)