

# ABIRAMI RAVINDRAN

Chennai, TamilNadu, India.

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## PROFILE SUMMARY

Engineering student skilled in Python, SQL, HTML, CSS, Java, JavaScript, and Tailwind CSS. Experienced in building real-world projects using Arduino, ReactJS, and MySQL. Foundation in DSA, OOP, and full-stack development, aiming to apply technical and problem-solving skills in the tech industry.

## EXPERIENCE

Google Summer Of Code 2025, Google.

Apr 2025

Student developer program – Contributor (Accord project)

- Migrated template playground's legacy CSS codebase to Tailwind CSS to enhance scalability, maintainability, and development speed.
- Refactored core UI components like navbar, buttons, forms, and modals using Tailwind's utility-first classes.
- Reduced CSS bundle size and eliminated redundant styles, improving overall performance and load times.
- Improved responsiveness and accessibility across the application for a better user experience.
- Collaborated with maintainers to get PRs merged, including hover interaction fixes and consistent styling patterns.

Naviyn Machine Tools | Intern, Chennai.

Oct 2024

Embedded systems Intern

- Gained hands-on experience with various embedded system, tools and technologies by studying and analysing their application on cooling system operations, enhancing my technical proficiency and practical knowledge.
- Assisted in the operation and troubleshooting of cooling systems, collaborating with the engineering team to ensure optimal performance and efficiency through effective hardware-software integration.

Re-Tech Solution Private Limited | Intern, Chennai.

June 2023

Embedded systems Intern

- During my internship, I successfully collaborated on diverse projects, demonstrating proficiency in firmware development, hardware-software integration.
- Committed to continuous learning and staying abreast of industry trends, I bring a blend of theoretical knowledge and practical skills, making me an asset to any organisation.

## PROJECTS & RESEARCH

SmartInvestor JavaScript | Python | Git.

2025

- Developed a tool to determine the most profitable buy/sell days using **Kadane's Algorithm** on historical stock data.
- Built an interactive UI to visualize stock trends and highlight optimal investment windows.
- Focused on real-world financial insights by combining algorithmic logic with clean, responsive design.

lot-bedside control panel Arduino | Embedded systems | GIT.

2025

- Designed and built a smart IoT-based bedside control panel with sensors for temperature, gyroscope, and heart rate monitoring.
- Implemented automatic SMS alerts using a GSM module for abnormal heart rate detection, enhancing health safety.
- Click here : [lot-control-panel](#)

Digital portfolio HTML   CSS   JS   Bootstrap   GIT.	2022
<ul style="list-style-type: none"> <li>Simple portfolio created as part of my project-based learning back in 2021</li> <li>Utilized Html, w3CSS and Javascript.</li> <li>Click here : <a href="#">Portfolio</a></li> </ul>	

## SKILLS

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**Analytical tools:** Spice simulation, Git, Microsoft excel, Email campaigns.  
**Languages known:** Python, HTML, CSS, Javascript, Java.  
**Frameworks / technologies:** Microcontroller, React, Bootstrap, tailwind CSS, SQL.

## EDUCATION

<b>Bachelor of engineering</b> – Electronics and Communication Engineering.	2021-2025
DMI College Of Engineering, Chennai	
<ul style="list-style-type: none"> <li>Current GPA : 79%</li> </ul>	
<b>+2 PCM.</b>	2020-2021
St. Columban's A.I.HR.SEC School, Chennai	
<ul style="list-style-type: none"> <li>GPA : 84%</li> </ul>	

## LICENSES & CERTIFICATIONS

Great-learning – Python for ML   Python Fundamentals   Generative AI.	2024
GUVI – Learnathon   Machine learning 101	2024
Workshops – Python programming (tekpot)   Data science	2023
Presentations – Won 1 <sup>st</sup> prize for presenting my ideas at an event.	2022