

## Dharania Thananchayan

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### PERSONAL SUMMARY

Final-year Information Technology student with a strong foundation in **full stack development**. Proficient in front-end technologies (**HTML, CSS, JavaScript**) and familiar with back-end development using **Python**. Actively seeking an entry-level role to contribute to **end-to-end software development** while advancing technical expertise in scalable web applications.

### SKILLS

- **Programming & Scripting:** Python, JavaScript (ES6+), R (Intermediate), C (Basics)
- **Front-End Development:** HTML5, CSS3, Bootstrap, React (Basics)
- **Back-End Development:** Python (Flask), Node.js (Basics)
- **Version Control & Tools:** Git, GitHub, VS Code
- **Data Science & AI (Foundational):** Data analysis, Visualization, Machine Learning fundamentals.
- **Design Tools:** Adobe Photoshop, Adobe Illustrator, Canva

### EDUCATION

#### B.Tech – Information Technology

Dr. M.G.R Educational and Research Institute, Chennai | Expected June 2026  
CGPA: 8.01

#### Grade 12 – Computer Science

Fatima Matriculation Higher Secondary School, Chennai | May 2022  
Percentage: 80.3%

### ACADEMIC PROJECTS

- **Smart Home Automation using Blynkk Software (ESP8266) – Completed**  
Developed a home automation system using Blynkk software and ESP8266 microcontroller to control and monitor devices remotely, improving energy efficiency and user convenience.
- **GreenCoder – AI Powered Code Optimizer for Sustainable Software Development (Ongoing)**  
Designed an AI-based tool to optimize code for sustainability by reducing CPU usage, memory consumption, and carbon emissions. Implemented using Python, AST parsing, and ML models like Random Forest and XGBoost.

### ACCOMPLISHMENTS

- **Department Contribution Award** – Recognized for outstanding contribution and commitment to departmental initiatives.

- **Appreciation Award (Editorial Team, Tech Voice)** – Acknowledged for active involvement and creative input as part of the editorial team for the department newsletter.

## **CERTIFICATIONS**

- NPTEL Certification – **Python for Data Science** – Gained hands-on experience in Python programming, data manipulation, and visualization for data-driven problem-solving.
- NPTEL Certification – **Advanced R Programming for Data Analytics** – Acquired advanced skills in statistical modeling, data analysis, and R-based programming techniques for analytical applications.

## **HOBBIES AND INTERESTS**

- Reading
- Content Writing / Creative Writing
- Graphic Design

## **LANGUAGES**

- English, Fluent
- Tamil, Fluent
- Hindi, Basic