# Tharnesh R

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 github.com/Tharneshtharun69 </> hackerrank.com/tharneshtharun21 </> leetcode.com/u/Tharnesh

🌐 tharneshr-portfolio.netlify.app </> codechef.com/users/tharneshtharun

## Objective

To secure a challenging position as a software developer where I can utilize my programming skills, problem-solving, analytical thinking abilities and passion for technology to contribute to innovative projects. **Eager to grow and learn within a dynamic team** while contributing through **clean, efficient & maintainable code, well documented, highly scalable, testable, quality, innovative** software solutions **ensuring software performance** that align with organizational goals.

## Education

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|---|---|
| **KSR Institute for Engineering and Technology, Tiruchengode** | **2021 - 2025** |
| *UG - B.Tech in Information Technology* | *7.287 CGPA* |
| **Sri Vidya Mandir Matric Hr Sec School, Rasipuram** | **2020 - 2021** |
| *Higher Secondary School* | *83.97%* |
| **Sri Vidya Mandir Matric Hr Sec School, Rasipuram** | **2018 - 2019** |
| *Secondary School* | *76.80%* |

## Technical Skills

**Programming Languages:** Java, Python, JavaScript

**Front-End:** HTML5, CSS3

**DataBases:** SQL

**Tools:** GitHub, Canva, Visual Studio Code(VS Code), Python IDLE, IntelliJ IDEA, NetBeans IDE, Eclipse IDE, Netlify

**Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs), Software Development Life Cycle (SDLC), Agile Development Methodologies, Operating Systems (OS), Debugging, Computer Networks (CN), Functional Programming, Documentation, Requirements Gathering, Cross Browser Compatibility, Code Optimization

## Internships

**Techforge, Salem** — **Jun 2023 – Jul 2023**
*Web Development Intern* — *Duration: 1 Month*
– Applied HTML5, CSS3, JavaScript to create **responsive layouts and UI components, Designed Logos** using Canva.

**CodeClause Pvt Ltd** — **Oct 2023 – Nov 2023**
*Web Development Intern* — *Duration: 1 Month*
– Built interactive web apps such as To-Do List, Resume Generator using HTML5, CSS3, JavaScript, **improving UI functionality and user experience.**

**Cognifyz Technologies Pvt Ltd** — **Apr 2024 – May 2024**
*Frontend Development Intern* — *Duration: 1 Month*
– Implemented Tasks like Form Styling and Validation and **Integrated API's to fetch data from Back-End** using HTML5, CSS3, and JavaScript.

**PanTech E Learning Pvt Ltd** — **Apr 2023 – Apr 2023**
*Full Stack Web Development Implant Training* — *Duration: 1 Week*
– Learnt Overview of **Full Stack Web Development**.

## Projects

An Enhanced Speech Emotion Recognition System Using Recurrent Neural Networks(RNN)

– **Technologies Used:** Artificial Intelligence (AI), Deep Learning, Python, HTML5, CSS3, JavaScript, Django, GitHub

– Developed an RNN-based Speech Emotion Recognition System with 96.96% accuracy, **3.03% higher** than CNN, collaborating on UI and AI model development & Built a Web Interface using HTML5, CSS3, and JavaScript for **real-time predictions with scalable and efficient deployment Following Agile Development Methodologies, Participated in Code Reviews & Development Process in Collaboration with a Team in Cross Functions such as Designing, Development.**

– Contributed across all phases of the **SDLC**, **maintained documentation**, and provided end-to-end technical support. Presented and published research paper "**An Enhanced Speech Emotion Recognition System using RNN Compared with CNN**" at ICICCS Conference, Nandha College of Engineering, and stored in GitHub.

Console-Based Banking System

– **Technologies Used:** Java, GitHub

– Developed a secure console-based banking system using **Object Oriented Programming(OOPs)** principles. Implemented user authentication, account creation, password reset, and secure transactions (withdrawal, deposit, balance) with **modular backend logic and stored in GitHub.**

BMI Calculator Website
- **Technologies Used:** HTML5, CSS3, JavaScript, Netlify, GitHub
- Created a Body Mass Index(BMI) calculator to reduce manual calculation effort with real-time calculation and **responsive design**, deployed it with Netlify and stored in GitHub.

Personal Portfolio Website
- **Technologies Used:** HTML5, CSS3, JavaScript, Netlify, GitHub
- Developed and deployed a fully **responsive** portfolio website showcasing projects and skills, ensuring **cross-browser compatibility** and tested it across different browsers. Added **interactive UI elements** using JavaScript, and deployed it with Netlify and stored in GitHub.

Guess The Number Game Website
- **Technologies Used:** HTML5, CSS3, JavaScript, Netlify, GitHub
- Developed an interactive number guessing game using random number generation, DOM updates, and **responsive UI**, deployed it with Netlify and stored in GitHub.

## Certifications

- HTML Tutorial - Great Learning
- Python (Basic) - HackerRank
- Java Course Mastering The Fundamentals - Scaler
- Java (Basic) - HackerRank
- Learn JavaScript - CodeChef
- Learn Python Programming- CodeChef
- CSS (Basic) - HackerRank
- SQL (Basic) - HackerRank

## Achievements & Co-Curricular

### 1.Competitive Programming

- Solved **450+** problems on **LeetCode** demonstrating **Data Structures & Algorithms** and **Debugged, Optimized Code** following **Time and Space Complexity Analysis** with a **Contest Rating of 1,621**, Earned 4 badges on LeetCode: 50 Days Badge (2024), 50 Days Badge (2025), 100 Days Badge (2025), 200 Days Badge (2025), showcasing **Logical Thinking & Problem Solving Skill**
- Solved **900+** problems on **CodeChef**, **Earned Golden Badge for problem-solving** on CodeChef, **Earned 500 Difficulty Rating Certification** from CodeChef.
- Earned 6 badges and 9 certifications in Python, Java, CSS, JavaScript, SQL, and Problem Solving on HackerRank.

### 2.Co-Curricular Activities

- Participated in a structured **Two-Day workshop** on **Cybersecurity & Ethical Hacking** conducted by the National Information and Cybersecurity Council (NICC) at KSR Institute for Engineering and Technology, Tiruchengode on 25th and 26th July 2023.
- Participated in Code Olympia, a **National Level Coding Event** in ABLAZE 2023 at KSR College of Engineering, Tiruchengode on 13th October 2023.
- **Web Development Member** of **Google Developer Student Clubs (GDSC)**, KSR Institute for Engineering and Technology, Tiruchengode, 2023.

## Area of Interest

- **Software Development**, **Web Development** & **Back-End Web Development**

## Strengths

- **Quick Learner**, **Strong Problem Solving, Logical Thinking** & Analytical Thinking, Attention to Detail, Adaptability, Verbal & Written Communication, Team Collaboration, Presentation, Able to Work Independently, MultiTasking, Time & Deadline Management, Continuous Learning, CodeBase Management, Debugging, Code Optimization