Tharnesh R

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🌐 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

KSR Institute for Engineering and Technology, Tiruchengode	**2021 - 2025**
UG - B.Tech in Information Technology	*7.339 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 - CodeChef
- CSS (Basic) - HackerRank
- SQL (Basic) - HackerRank

Achievements & Co-Curricular

1.Competitive Programming

- Solved **400+** 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