

SURENDHAR R

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Portfolio

GitHub

LinkedIn

Education

BISHOP HEBER COLLEGE

Bachelor of Computer Applications

2022-2025

Trichy, TamilNadu

Summary

As a highly motivated and dedicated professional, I strive to work in an environment that fosters creativity, teamwork, and continuous learning. I aim to utilize my skills and expertise to analyze complex problems, design innovative solutions, and implement effective strategies that drive business growth and success.

Projects

Portfolio Pro / Next.js, Tailwind CSS, MongoDB

June 2024

- Developed a full-stack portfolio website with a responsive design and seamless integration between frontend and backend.
- Implemented an **admin dashboard** for dynamic updates to portfolio content, enhancing user control and flexibility.
- Engineered a data management system to store and retrieve user messages from the contact section in real-time.

College Students Assistance Chatbot / Html, Css, JavaScript, Python Flask, Firebase

Jan 2025

- **User Interface:** Built using HTML, CSS, and JavaScript to ensure a responsive and engaging user experience.
- **Backend Integration:** Utilized Python Flask to handle chatbot logic, routes, and server-side operations.
- **Authentication:** Implemented secure login and logout features using Firebase Authentication.
- **Database:** Leveraged Firebase Realtime Database for managing user data and chatbot responses.

IOT Based Concealed Paper in Cotton Fabric / Iot Sensors , embedded C Programming

Mar 2025

- **LDR Sensor Integration:** Detected light variation through cotton fabric to identify hidden papers.
- **Microcontroller Programming:** Developed firmware in Embedded C to process sensor data and trigger alerts.
- **Compact Hardware Setup:** Built a lightweight, portable detection unit for real-time monitoring.
- **IoT Functionality:** Potential for future expansion to send alerts to a remote server or mobile app.

Experience

CODSOFT – Virtual Internship

Dec 2023 – Jan 2024

Web Development Intern

Remote, Trichy

- Designed and developed **3 responsive and user-friendly web projects** (Landing Page, Portfolio Page, and JavaScript Calculator) using **HTML, CSS, and JavaScript**, focusing on clean UI and performance.
- Followed a structured development process including **user feedback** to improve layout, responsiveness, and functionality.
- Built and refined each project **iteratively**, applying best practices in web development to ensure smooth interaction and cross-device compatibility.

Course Work

- AI/ML – Deep Learning
- Object Oriented Programming
- Computer Networks
- DBMS

Technical Skills

Programming Languages: Python, HTML/CSS, Java Script, Natural Language Processing,

Technologies/Frameworks: Reactjs, WordPress, MySQL, Flask, Sql , Database Management, Linux(beginner-Level)

Design Skills: UI/UX design, Graphic design,

Developer Tools: VS Code, GitHub, Figma, Photoshop, Android Studio, Canva,

Soft Skills: Communicate, Problem-solving, Leadership, Collaborate, networking, growth mindset

Achievements

- Hackerrank: Secured 5 Stars for Python by solving 70+ problems
- Codechef:Totally 277 problems solved include Java,Python
- Freecodecamp: certificate earned in Responsive Web design using HTML , CSS , JAVA SCRIPT