

Shajithrooban

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EXPERIENCE

Data and AI Consultant

July 2024 - Dec 2024

Thorogood Associates

Bangalore

- Rapidly onboarded and worked on a key **migration project**, ensuring a smooth transition with the incorporation of the **latest features** in a significant client project, reducing migration time by **30%**.
- Created and refined **20+ frontend elements** using **Angular**, improving application performance by **25%** and enhancing user experience.
- Appreciated for exceptional contributions and awarded the esteemed **Thorogood Star Award** within the 6-month internship duration, recognizing impact on project success.

Frontend Developer

Dec 2023 - May 2024

Sayvai

Coimbatore

- Implemented **performance optimizations** in the user interface, resulting in a **25%** reduced coding process by using **SOA**.
- Delivered a remarkable **40% boost** in user satisfaction by implementing targeted **UI/UX enhancements**.
- Spearheaded a process re-engineering initiative, utilizing **Python**, **React**, and **Node.js**, resulting in a **50% increase** in performance of the firm's Home page.

PROJECTS

System Monitor Dashboard 🌐

- Built a Windows-only desktop app using **React.js** and **Electron** to monitor **CPU, RAM, GPU, battery, and network** in real-time with chart visualization.
- It also scans drives, categorizes files, and offers smart cleanup suggestions using **AI analysis** with confidence scoring.
- Created a chatbot using **React** and **Gemini AI API** to analyze real-time system performance and answer user queries with intelligent suggestions.

Game Control Using Gesture 🌐

- **Tech Stack: PYTHON, OPEN CV, HTML, CSS, BOOTSTRAP, FLASK**
- A computer vision project harnessing **OpenCV** and **MediaPipe** to empower real-time control of 2-3 popular games like Subway Surfers and Hill Climbing through hand gestures, attaining remarkable success rates of up to 75%.
- Built using **Python, Flask, OpenCV, MediaPipe**, and **TensorFlow Keras**, this gesture recognition app interprets hand gestures from a webcam. It accurately recognizes 1 hand at a time.

Quick Sense 🌐

- **Tech Stack: HTML, CSS, BOOTSTRAP, JAVASCRIPT, JSON**
- **QuickSense**, a Chrome extension, facilitates swift access to meanings of 50,000+ words, offering visual and auditory cues. Aiding instant word definitions during web browsing, its an invaluable tool.
- Facilitates instant word lookup with a **90% accuracy rate**, delivering visual and auditory feedback. Used by a diverse audience, averaging **500 daily lookups** for efficient word definitions.

Network Scanner 🌐

- **Tech Stack: React.js, Flask**
- Network Scanner scans **50+ network devices**, retrieving IPs, MACs, and device names. Captures and analyzes **1,000+ packets** in real-time, providing detailed network activity insights.
- Built with **React** and **Flask**, improving performance through optimized data handling and UI responsiveness.

EDUCATION

Coimbatore Institute of Technology
Msc Software Systems

Oct 2021 - Present
8.79 CGPA

SKILLS

Languages: C, C++, Python, MySQL, HTML, JavaScript

Libraries : C++ STL, Python Libraries, ReactJs

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: ReactJS, Flask, Angular

Cloud/Databases: Oracle DB, Relational Database(MYSQL)

Areas of Interest: Software Development, Computer Vision, DBMS, OOPS, Web Development

Soft Skills: Analyzing Complex Issues, Continuous Self-Learning, Dynamic Communication, Flexible Approach

Position of Responsibility

Head of Website Team

March 2025

Melinia - National Level Technical Symposium

- Led a team of **5** in designing and deploying the official symposium website, facilitating over **200 registrations**.
- Integrated **Razorpay** for secure transactions and managed infrastructure to support **1,000+ events per day**.
- Implemented **Google Analytics** to track user engagement and optimize website performance.

Head of Technical Team

May 2023 - May 2024

FOSS CLUB

- Orchestrated events to actively promote and participate in **Hacktoberfest**, resulting in a **40%** surge in meaningful contributions to the open-source community.
- Conducted **workshops** and **technical events**, offering students valuable opportunities to fortify their skills.
- Improved a **60% increase** in participants' technical expertise and proficiency in the field.

Achievements and Certificates

Thorogood Star Award: Awarded for November 2024.

Mr Melinia: Secured at Melinia CIT'24 National Level Symposium (CIT).

Yugam - Code2Duo: 2nd Runners-up

SIH'23 - Internal Hackathon Winners of SIH, Coimbatore Institute of Technology, Coimbatore