

Shajithrooban

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EXPERIENCE

Data and AI Consultant

July 2024 - Dec 2024

Thorogood Associates 🌐

Bangalore

- Drove fast-paced onboarding and contributed to a key **migration project**, ensuring a smooth transition while incorporating the **latest features**, which streamlined the overall process.
- Created and refined various **frontend elements** using **Angular**, enhancing both application performance and user experience.
- Recognized for exceptional contributions and awarded the esteemed **Thorogood Star Award** during the internship, highlighting impact on project success.

Frontend Developer

Dec 2023 - May 2024

Sayvai 🌐

Coimbatore

- Redesigned and optimized the user interface using **SOA**, making the development process more efficient and maintainable.
- Improved the overall look and feel of the application by introducing thoughtful **UI/UX enhancements**, leading to a more engaging experience.
- Led a re-engineering initiative with **Python**, **React**, and **Node.js**, elevating the functionality and responsiveness of the firm's Home page.

PROJECTS

System Monitor Dashboard 🌐

- Developed a Windows desktop application using **React.js** and **Electron** to track key system metrics such as CPU, RAM, GPU, battery, and network usage with real-time visualizations.
- Added an automated drive scanning feature that categorizes files into different types and provides smart cleanup suggestions through **AI-based analysis** with safety recommendations.
- Integrated a chatbot powered by **React** and **Gemini AI API** to analyze live system data and deliver intelligent responses to user queries.

Offline OTP Authentication Service 🌐

- **Tech Stack:** **React**, **Express.js**, **NPM (Package Development)**, **PostgreSQL**
- Built a secure offline OTP authentication system with a React-based NPM package, Express.js backend, and PostgreSQL database.
- Developed a reusable **OTP component** as an NPM package that adapts to user preferences such as digit length and complexity, generating encrypted QR-based OTPs.
- Implemented **encrypted metadata exchange** between backend and mobile app (OTP type, user details, randomization logic) with MAC-based firewall validation for enhanced security.

Quick Sense 🌐

- **Tech Stack:** **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **JSON**
- Developed **QuickSense**, a Chrome extension that provides instant access to word definitions with both visual and auditory cues, enhancing the browsing experience.
- Enables quick word lookups directly while browsing, making it a helpful tool for learners and professionals seeking seamless vocabulary assistance.

Network Scanner 🌐

- **Tech Stack:** **React.js**, **Flask**
- Developed a tool to scan connected network devices, retrieving details such as IP addresses, MAC IDs, and device names, along with real-time packet capture and analysis.
- Built with **React** and **Flask**, featuring optimized data handling and an intuitive interface for monitoring network activity.

EDUCATION

Coimbatore Institute of Technology
Msc Software Systems

Oct 2021 - Present
8.68 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 the website team in designing and launching the official symposium website, ensuring a smooth registration and event management experience.
- Integrated **Razorpay** for secure online transactions and managed infrastructure to handle large-scale participation across events.
- Implemented **Google Analytics** to track user engagement and derive insights for improving the website's reach and usability.

Head of Technical Team

May 2023 - May 2024

FOSS CLUB

- Led initiatives to promote and participate in **Hacktoberfest**, encouraging meaningful contributions to the open-source community.
- Organized **workshops** and **technical events**, creating opportunities for students to strengthen their skills and gain hands-on experience.
- Mentored participants and fostered a collaborative environment, helping students enhance their technical expertise and confidence.

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