



SHAMANTH KRISHNA V R

Belthangady, Karnataka, India

Full-Stack Web Developer | MERN Stack

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Education

Sahyadri College of Engineering and Management

2022 – 2026

Bachelor of Engineering (Information Science)

Mangalore, Karnataka

Professional Summary

Final-year Information Science engineering student with hands-on experience in full-stack web development using the MERN stack. Skilled in building responsive React.js interfaces and developing backend services with Node.js and Express.js. Strong problem-solving ability, a methodical working style, and experience delivering real-world web applications involving databases, authentication, and cloud integration.

PROJECT EXPERIENCE

AI-Driven Legislation Architect Game

Feb 2025 - Dec 2025

React.js, Node.js, Express.js, SQLite, TensorFlow.js

- Built an **AI-powered gamified learning platform** to teach digital laws, cyber ethics, and cybersecurity through interactive 3D simulations.
- Implemented **three core modules**—Phishing Detective, Cyber Judge, and Legislation Architect—with **adaptive difficulty** using machine learning.
- Integrated **TensorFlow.js** models into the frontend and backend pipelines for phishing detection and legal text classification, enabling real-time inference and adaptive gameplay.

Cloud-Based Image & Video Gallery | *MERN Stack, AWS S3, Tailwind CSS*

April 2025 – May 2025

- Built a secure media management platform with **MERN stack** and **AWS S3** for scalable image/video uploads.
- Integrated **JWT auth**, **drag-and-drop file uploads**, and real-time status alerts via **React Toastify**.
- Designed a responsive dashboard with **grid/list views** and **video metadata** extraction using **fluent-ffmpeg**.

Art Gallery Management System | *React.js, Express.js, TypeScript, SQL*

Nov 2024 – Dec 2024

- Built a **ticket booking system** for art events, improving user convenience and reducing manual effort by **30%**.
- Implemented **authentication and authorization** workflows for users and admins, along with secure payment handling.
- Used **SQL database** to manage users, bookings, and payments reliably.

Technical Skills

Languages: C, C++, JavaScript, Python

Developer Tools: Git, GitHub, Postman, VS Code

Technologies/Frameworks: React.js, FastAPI, Node.js, Express.js, MongoDB, PostgreSQL, MySQL

Achievements

- **Runner-Up** in REACT-THON – Created a clone of Spotify using React.js **February 2024**
- **Runner-Up** at department-level TechVision for presenting an **interactive gamification framework** on digital laws, cyber ethics, and legislation using **machine learning techniques**. **November 2024**
- **Finalist** in Skill Sangam for developing **LifeLine – Emergency Healthcare Web App**. Built a real-time platform connecting patients, ambulances, and hospitals using the **MERN stack**.

Volunteer Experience & Organizations

- Served as the Media Lead for Google Developer Group (GDG) at Sahyadri, managing event promotions, content creation, and outreach strategies. **September 2024 – September 2025**
- Organized a 20-hour hackathon at Sahyadri College to encourage innovation and teamwork. **November 2024**