


# SHAMANTH KRISHNA V R

belthangady, Karnataka, India, 574240

Full-Stack Developer—Databases, Passionate about DevOps

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## Education

Sahyadri College of Engineering and Management

2022 - 2026

Bachelor of Engineering (Information Science)

Mangalore, Karnataka

## Professional Summary

I am an Information Science undergraduate with strong skills in Data Structures, Algorithms, and Full-Stack Development using React.js and FastAPI. I have hands-on experience in building scalable and responsive web applications, following clean coding standards and agile development practices. I enjoy solving complex problems and creating efficient software solutions that make a real-world impact.

## Projects

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

Nov 2024 – Dec 2024

- Built a **ticket booking system** for art events, improving convenience and reducing effort by **30%**.
- Added **secure login and payments** for smooth user transactions.
- Used **SQL database** to manage users, bookings, and payments reliably.

Roots-Tech | *React.js, Express.js, MongoDB*

Dec 2024 – Jan 2025

- Built a **full-stack app** linking customers and providers, boosting booking by **25%**.
- Added **geo-location** and **real-time alerts**, improving coordination by **30%**.
- Used **React, Node.js, and Maps API** for smooth UX and scalability.

Passwordless Authentication System | *React.js, Node.js, WebAuthn, FIDO2, Express*

May 2025 – May 2025

- Built a **passwordless auth system** using **FIDO2**, eliminating password-related vulnerabilities and boosting security.
- Integrated **MongoDB** for secure storage of user data and diary entries, enabling smooth CRUD operations.
- Implemented **session handling and static file serving**, ensuring fast performance and seamless user experience.

## Technical Skills

Languages: C, C++, Python, HTML, CSS, JavaScript, SQL

Developer Tools: VS Code, Git, GitHub, Postman, PyCharm, Jupyter Notebook, Google Colab, Linux

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

## Achievements

- **Runner Up** in REACT-THON – Created a clone of Spotify using React.js **February 2025**
- **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**, a real-time platform connecting patients, ambulances, and hospitals using the **MERN stack** to reduce delays and streamline emergency care.

## Extracurricular Activities

- Organized a 20-hour hackathon at Sahyadri College, fostering innovation and collaboration. **November 2024**