

Sonu Saju John

MERN Stack Developer

LinkedIn | GitHub | Portfolio

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DOB: 21-08-2001 | Location: Thiruvananthapuram, Kerala

PROFILE

Computer Science and Engineering graduate with hands-on experience in full-stack web application development. Currently working as a Graduate Apprentice Trainee at Vikram Sarabhai Space Centre (VSSC), ISRO. Contributing to a secure intranet web application (FLIGHTBYTES) through frontend UI enhancements and adding new features to support internal workflows.

Tech Stack: MERN (MongoDB, Express, React, Node.js), Python, Java, REST APIs, SQL, MongoDB Atlas, Git

EDUCATION

B.Tech in Computer Science and Engineering

Marian Engineering College, APJ Abdul Kalam Technological University

2020 – 2024

CGPA: 7.79

TECHNICAL SKILLS

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

Frameworks : React.js, Node.js, Express.js, Django

Databases : MongoDB, SQL

Tools : Git, GitHub, Postman, VS Code, NetBeans, SQLyog, MongoDB Atlas

Development : RESTful Architecture, MVC Pattern, Secure Authentication

EXPERIENCE

Apprentice Trainee – Web Application Development

Vikram Sarabhai Space Centre (VSSC), ISRO

Feb 2025 – Present

Thiruvananthapuram

- Developing and maintaining a web application named FLIGHTBYTES used within the VSSC intranet environment
- Uploading and managing processed data within the application for internal analysis and future reference
- Implemented UI enhancements to improve usability and visual clarity of the FLIGHTBYTES frontend
- Developed a Skyplot feature to visualize coordinate-based data from processed files

Web Developer Intern

TrackGenesis

Nov 2024 – Dec 2024

Technopark, Trivandrum

- Designed and developed responsive web applications using HTML, CSS, JavaScript, React, and Node.js
- Integrated REST APIs and optimized MongoDB database operations
- Tested APIs using Postman and followed version control best practices using GitHub

PROJECTS

FLIGHTBYTES

Intranet Web Application – VSSC

Feb 2025 – Present

- Secure internal web application developed for VSSC intranet usage
- Currently contributing to active development, feature enhancements, and backend API integration
- Project hosted in an isolated environment; details limited due to confidentiality

SHOZTOP

E-Commerce Footwear App (Admin)

Source Code

- MERN stack admin and super-admin panel for managing products, categories, and orders
- Implemented role-based authentication and MongoDB-backed data operations

CINETICK**Online Movie Ticket Booking App**

Source Code

- MERN stack application featuring authentication, seat selection, trailers, and admin dashboards

CHAINDOCS**Authentication & Document Digitization Using Blockchain**

Academic Project

- Developed a secure document verification and digitization system using React and Node.js

HMS**Hospital Management System**

Web Application

- Database-driven system using HTML, CSS, Python, and Django for hospital service management

SafeHome**Smart Home Security and Fire Detection System**

IoT Project

- Implemented theft and fire detection using sensors, Vega processor, ESP8266, and RFID

CERTIFICATIONS

- One-Month Internship Completion Certificate, TrackGenesis
- Full Stack Development (MERN) – ICT Academy of Kerala
- Internship Programme in IoT and Machine Learning – C-DAC
- HTML & CSS Certification – UNSTOP