

# Sonu Saju John

MERN Stack Developer

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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**

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- 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