

# Sonu Saju John

MERN Stack Developer  
LinkedIn | GitHub

Email: sonujohnsaju@gmail.com | Mobile: +91 9567992613  
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>B.Tech in Computer Science and Engineering</b> <i>Marian Engineering College, APJ Abdul Kalam Technological University</i>	2020 – 2024 CGPA: 7.79
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## Technical Skills

<b>Languages</b>	:	HTML, CSS, JavaScript, Java, SQL, Python, C
<b>Frameworks</b>	:	React.js, Node.js, Express.js, Django
<b>Databases</b>	:	MongoDB, SQL
<b>Tools</b>	:	Git, GitHub, Postman, VS Code, NetBeans, SQLyog, MongoDB Atlas
<b>Development</b>	:	RESTful Architecture, MVC Pattern, Secure Authentication

## Experience

<b>Apprentice Trainee – Web Application Development</b> <i>Vikram Sarabhai Space Centre (VSSC), ISRO</i>	Feb 2025 – Present <i>Thiruvananthapuram</i>
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- 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

<b>Web Developer Intern</b> <i>TrackGenesis</i>	Nov 2024 – Dec 2024 <i>Technopark, Trivandrum</i>
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- 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

<b>FLIGHTBYTES</b>	<b>Intranet Web Application – VSSC</b>	Feb 2025 – Present
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- 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

<b>SHOZTOP</b>	<b>E-Commerce Footwear App (Admin)</b>	Source Code
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- MERN stack admin and super-admin panel for managing products, categories, and orders
- Implemented role-based authentication and MongoDB-backed data operations

<b>CINETICK</b>	<b>Online Movie Ticket Booking App</b>	Source Code
<ul style="list-style-type: none"> <li>• MERN stack application featuring authentication, seat selection, trailers, and admin dashboards</li> </ul>		
<b>CHAINDOCS</b>	<b>Authentication &amp; Document Digitization Using Blockchain</b>	Academic Project
<ul style="list-style-type: none"> <li>• Developed a secure document verification and digitization system using React and Node.js</li> </ul>		
<b>HMS</b>	<b>Hospital Management System</b>	Web Application
<ul style="list-style-type: none"> <li>• Database-driven system using HTML, CSS, Python, and Django for hospital service management</li> </ul>		
<b>SafeHome</b>	<b>Smart Home Security and Fire Detection System</b>	IoT Project
<ul style="list-style-type: none"> <li>• Implemented theft and fire detection using sensors, Vega processor, ESP8266, and RFID</li> </ul>		

## 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