

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
<ul style="list-style-type: none">Secure internal web application developed for VSSC intranet usageCurrently contributing to active development, feature enhancements, and backend API integrationProject hosted in an isolated environment; details limited due to confidentiality		
SHOZTOP	E-Commerce Footwear App (Admin)	Source Code
<ul style="list-style-type: none">MERN stack admin and super-admin panel for managing products, categories, and ordersImplemented role-based authentication and MongoDB-backed data operations		

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