SANTHOSHKUMAR K

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🌐 Portfolio

CAREER OBJECTIVE

Full Stack Web Developer skilled in front-end, back-end, and database integration, with a passion for building interactive and responsive web applications.

EDUCATION

Bachelor of Technology (Hons) in Information Technology   *Nov 2022 – June 2026*
Government College of Engineering, Erode
CGPA: 8.41(till 6th sem)

Mangalam Higher Secondary School, Erode   *June 2019 – May 2022*
10th: 97.6%   12th: 91.5%

TECHNICAL SKILLS

Programming: Core Java, Python, JavaScript/Typescript, PHP, SQL
Web Development: HTML5, CSS3, TailwindCSS, SASS
Libraries & Frameworks: React, Node.js, Express, Mongoose, Vite, JWT, REST APIs, OAuth, Axios, Redux, Next.js (basics), Shadcn, Flask, WebSockets, Django, FastAPI
Database: MongoDB, MySQL, PostgreSQL, ORM (Prisma), ODM (Mongoose)
Tools & Platforms: Supabase (basics), GitHub, VS Code, MongoDB Atlas, Netlify, Vercel

EXPERIENCE

Software Development Intern — GoalStox, Mumbai   *November 2025 – February 2026*
• Worked on the development and maintenance of an enterprise-grade Django-based platform for managing Alternative Investment Funds (AIF) and Portfolio Management Services (PMS), supporting secure onboarding, KYC compliance, deal management, and investment portfolio tracking for customers, brokers, and internal employees.
• Implemented and enhanced role-based access control workflows for Customers, Brokers, Employees, and Admins, including OTP-based authentication, profile completion gates, and activation approvals through the Django Admin interface.
• Tech Stack: Python, Django, PostgreSQL/SQLite, Django ORM, Django Admin, HTML, CSS, JavaScript.

AIML Intern — CubeAI Solutions   *June – July 2025*
• Developed an AI-driven Rainfall Prediction System using Python and Streamlit, enabling interactive meteorological data input and real-time forecast generation. Implemented a Random Forest classifier with GridSearchCV for hyperparameter tuning to enhance model accuracy and reliability, delivering an intuitive interface for both prediction and visualization of rainfall patterns.
• Tech Stacks: Streamlit, Python, NumPy, Pandas, Matplotlib, Seaborn.

PROJECTS

Realtime Spotify Application — Full Stack Web Developer   **Live Demo   —   GitHub**   *2025*
• Developed a full-stack real-time music streaming application inspired by Spotify, enabling users to stream music, control playback (play, pause, next, previous), and adjust volume through an interactive slider.
• Implemented an admin dashboard to manage albums and songs, along with real-time features such as integrated chat, online/offline user presence, and live visibility of what other users are currently listening to.
• Tech Stack: React, TypeScript, Vite, Node.js, MongoDB, Socket.IO, Cloudinary, Clerk Authentication.

Chatify App — Full Stack Web Developer   GitHub   *2025*

- Developed a real-time chat platform with features including user presence, message history, typing indicators, clear chat functionality, and UTC-accurate timestamps. Designed with a responsive, modern UI for seamless cross-device usage.
- Tech Stack: React, TailwindCSS, Socket.IO (client), Flask + Flask-SocketIO, MongoDB (PyMongo).

SocioPedia — Full Stack Web Developer   Live Demo   —   GitHub   *2025*

- Developed a full-featured social media application with post creation, likes, comments, and following, using dynamic/static routing, server- and client-side rendering, Server Actions for form handling, file uploads, optimistic UI updates, and comprehensive error and loading states.
- Tech Stack: Next.js (App Router), TypeScript, Neon, Prisma, Clerk, TailwindCSS, shadcn, UploadThing.

Blog App — Full Stack Web Developer   Live Demo   —   GitHub   *2025*

- A full-stack blogging platform with admin and user interfaces, featuring secure JWT authentication, AI-powered content generation, image uploads with optimization, category filtering, and a moderated comment system.
- Tech Stack: React , TailwindCSS, Node.js, Express, MongoDB, JWT, Multer, ImageKit, Google Gemini AI.

Excel Analysis Platform — Full Stack Web Developer   Live Demo   —   GitHub   *2025*

- Built a full-stack Excel/CSV analysis platform with JWT authentication, secure file uploads, and interactive 2D/3D visualizations. Features an admin dashboard for managing users, files, charts, and activity logs. Modular architecture ensures scalability and maintainability.
- Tech Stack: React, TailwindCSS, Chart.js, React-plotly.js , Node.js, Express, MongoDB Atlas, JWT.

Recipe App — Full Stack Web Developer   Live Demo   —   GitHub   *2025*

- Built a full-stack recipe management web application with secure recipe submission, image uploads, and responsive UI. Enables users to browse and submit recipes with ingredients, categories, and images, all stored in MongoDB. Dynamic content is rendered using EJS templates, and TailwindCSS ensures a modern, mobile-friendly design.
- Tech Stack: Node.js, Express, MongoDB Atlas, EJS, TailwindCSS.

Car Rental System — Full Stack Web Developer   GitHub   *2024*

- Built a PHP/MySQL-based car-rental booking platform featuring user signup/login, real-time availability checks, booking management, user profiles, and an admin module for vehicle/reservation CRUD operations.
- Tech Stack: PHP, MySQL, JavaScript, HTML, CSS

CERTIFICATIONS

- GeeksForGeeks – Python
- Infosys Springboard – Java Programming Fundamentals
- NPTEL – Data Structures and Algorithms with Python
- NPTEL – Privacy and Security in Online Social Media
- LetsUpgrade Bootcamp – HTML, CSS
- Udemy – JavaScript Mastery
- Newton School – SQL (MySQL)

DOMAIN INTERESTS

Full-stack web development, MERN stack, database design, problem-solving with Python.