

S G Rathenesh

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Professional Summary

Aspiring Software Engineer pursuing a Bachelor of Engineering in Computer Science with hands-on experience in Full Stack Web Development, Mobile Application Development, and Artificial Intelligence. Developed scalable software solutions through internships and personal projects using React, FastAPI, Flutter, Firebase, and Python. Passionate about building user-centric applications, solving real-world problems, and continuously learning modern software engineering technologies.

Technical Skills

Programming Languages	Python, Java, C, C#, JavaScript
Frontend	React, HTML5, CSS3
Backend	FastAPI, PHP, REST APIs
Mobile Development	Flutter, React Native
Databases	MongoDB, MySQL, SQLite
AI / Machine Learning	Machine Learning, TensorFlow Lite, AI Integration
Tools	Git, GitHub, Firebase, VS Code, XAMPP, Unity, Figma

Professional Experience

Frontend Developer Intern

Feb 2026 – Aug 2026

MoviCloud Labs Pvt. Ltd.

- Developed responsive user interfaces using React for production-ready web applications.
- Integrated frontend components with REST APIs to deliver dynamic application features.
- Collaborated with backend developers to implement scalable and maintainable solutions.
- Optimized reusable UI components, improving development efficiency and consistency.
- Participated in debugging, testing, code reviews, and deployment activities throughout the development lifecycle.

Machine Learning Intern

Jun 2025 – Jul 2025

HDLC Technologies Pvt. Ltd.

- Developed a House Price Prediction model using Python and Machine Learning techniques.
- Evaluated regression models to improve prediction accuracy and model performance.
- Gained practical experience in the Machine Learning development workflow.

Projects

SpendGuard — AI-Powered Personal Finance Manager

React Native • TypeScript • SQLite • Firebase Authentication • TensorFlow Lite • Android SMS API

- Developed an offline-first personal finance application that automatically extracts and categorizes transaction details from banking SMS notifications.

- Integrated AI-based scam and spoofed SMS detection to enhance transaction security and fraud awareness.
- Designed spending analytics, budgeting insights, and interactive dashboards for effective financial tracking.
- Implemented duplicate transaction detection and reconciliation mechanisms to ensure accurate financial records.

AI-Powered Resume & Portfolio Builder

React • FastAPI • MongoDB • Python • AI APIs

- Developed an AI-powered platform to generate professional resumes and portfolio websites with real-time preview.
- Implemented AI-assisted content enhancement and automated resume generation workflows.
- Supported export in PDF, Word, and HTML formats with responsive user interface design.

VibeSync — Watch Together Platform

Flutter • Firebase • Cloud Firestore

- Built a synchronized video streaming application that enables multiple users to watch content together in real time.
- Implemented shared playback controls and Firebase-based room synchronization for seamless collaboration.
- Optimized application performance for smooth synchronization on low-bandwidth networks.

Wake-up Darling

Flutter • SQLite

- Developed a smart alarm application with personalized reminders and customizable wake-up schedules.
- Designed an intuitive mobile interface focused on productivity and ease of use.
- Implemented reminder management features to improve daily task organization.

Education

Bachelor of Engineering in Computer Science and Engineering

2023 – 2027

M. Kumarasamy College of Engineering

CGPA: 7.39 (Till 6th Semester)

Higher Secondary Certificate

2022 – 2023

Karur Saraswathi Vidhiyalaya Hr. Sec. School

Percentage: 84.33%

Certifications

- NPTEL – Introduction to Industry 4.0 and Industrial Internet of Things
- NPTEL – Human Computer Interaction

Workshops & Achievements

- Build a Full Website using WordPress Workshop
- Flutter App Development Workshop – Kongu Engineering College
- Kalam Awards 2025 – Participation
- Developed multiple AI, Full Stack, and Mobile Application projects solving real-world problems.
- Built and maintained a personal portfolio website and GitHub repositories showcasing software development skills.