RAJA SUNDARAM R S

Software Development Engineer | Full-Stack Developer

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PROFESSIONAL SUMMARY

Computer Science and Engineering (Cyber Security) student at SRM Institute of Science and Technology (CGPA 8.6/10, graduating 2027) with hands-on experience building and deploying full-stack web applications, an ERP system, and machine learning pipelines. Skilled in Java, Python, TypeScript, React, Next.js, REST APIs, and SQL/NoSQL databases. Builds and ships products using an AI-augmented development workflow, owning the requirements, architecture, prompt design, code review, testing, and deployment. Published researcher (IJSREM, 2026), Gen AI Full Stack Python Intern at Hexaware Technologies, and freelance developer with multiple live client websites. Ready to contribute as a Software Development Engineer or Trainee Engineer.

TECHNICAL SKILLS

Programming Languages: Java, Python, TypeScript, JavaScript, SQL

Frontend: React, Next.js, Astro, HTML5, CSS3, Tailwind CSS, Responsive Design

Backend: Next.js API Routes, Flask, REST API Design, Authentication, RBAC

Databases & ORM: MongoDB, SQLite, Prisma ORM, Database Design

Data Science & ML: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, K-Means, Random Forest

Generative AI: LLM Integration, Prompt Engineering, AI Pair Programming, AI-Assisted Code Review

Tools & Platforms: Git, GitHub, Vercel, Cloudflare Pages, Cloudflare Workers, Figma, VS Code

CS Fundamentals: DSA, OOP, DBMS, Operating Systems, Computer Networks, SDLC, Cybersecurity

INTERNSHIP

Gen AI Full Stack Python Intern | Hexaware Technologies **Aug 2026 – Nov 2026**

- Completed a three-month Generative AI and full-stack Python internship (17 Aug – 16 Nov 2026) at Hexaware Technologies, a global IT services company.
- Designed, built, and deployed **DocuMind AI**, a Generative AI–powered document application, as the internship project (documind-ai-wine.vercel.app).

EXPERIENCE

Freelance Web and Software Developer | Self-employed, Chennai **Present**

- Delivered end-to-end websites and web applications for business clients, covering requirement gathering, UI design, development, deployment, and handover.
- Built and launched production websites including **Gowra Reviivaa** (English–Kannada bilingual website for an organic agri-inputs brand, gowrareviivaa.com), **FashNow** (instant fashion delivery platform website with vendor onboarding), **eSpiritz** (enterprise IT services website with multi-step demo and consultation request forms), and **DAS & CO** (e-commerce storefront for an import/export grocery business).
- Developed fast, SEO-optimized corporate websites using Astro, JavaScript, and Tailwind CSS, with responsive layouts across mobile, tablet, and desktop.
- Accelerated delivery with an AI-assisted workflow (structured prompting, code review, debugging, and testing), and deployed and maintained projects on Vercel and Cloudflare Pages.

PROJECTS

Smart Multi-Branch ERP with Demand Forecasting and Stock Reorder Planning

Tech: Next.js, React, TypeScript, Prisma ORM, SQLite

- Designed and developed a multi-branch ERP system with real-time inventory tracking, supplier management, billing, and inter-branch stock transfers.
- Engineered a demand-forecasting and automated reorder-recommendation module that uses historical sales data to reduce stockouts and overstock at each branch.
- Implemented role-based access control (RBAC) to secure business operations across branches and user roles.

KWFPicshare – Private Event Photo and Video Gallery for Kids World Foundation
Tech: JavaScript, Cloudflare Workers | Live: kwfpicshare.kwfpix.workers.dev

- Built and deployed a private photo and video gallery for Kids World Foundation (NGO) that lets event attendees view, favourite, and download event photos and videos.
- Implemented one-tap access through shareable gallery links and QR codes, giving guests instant access to their event gallery on any phone with no app install or sign-up.

ezForms – AI-Powered Form Builder ezforms.pages.dev
Tech: LLM API, Prompt Engineering, Google OAuth, Cloudflare Pages

- Built an online form builder and designed the LLM prompts that turn a plain-language description, job description, or event brief into a complete form with questions, options, and settings.
- Implemented 12 question types (text, phone, choice, dropdown, ranking, rating, NPS, grids, dates, signatures) and a quiz mode with answer keys, scoring, feedback, and a server-enforced timer.
- Added Google sign-in, sharing by link, QR code, and website embed, password protection, closing dates, response limits, and a results dashboard with charts and Excel/CSV export.

E-Commerce Platform for a Retail Store
Tech: Next.js, TypeScript, Tailwind CSS, Prisma ORM, MongoDB

- Developed a full-stack e-commerce platform with a customer storefront (browsing, search, cart, checkout) and an admin dashboard for product, inventory, order, and sales management.
- Designed and secured REST APIs using Next.js API Routes with MongoDB through Prisma ORM; built a responsive, mobile-first UI with Tailwind CSS.

E-Commerce Sales Analysis and Customer Segmentation
Tech: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

- Built an ML pipeline on e-commerce transactions: K-Means for customer segmentation, Logistic Regression and Random Forest to predict high-value customers, and visual dashboards of sales trends.

Additional Projects: ezBoard – real-time collaborative whiteboard (ezboard.pages.dev); Ascend – multi-page gaming community platform with team, membership, and help-desk sections, built with Astro (ascend-roleplay.vercel.app); Train and Movie Ticket Reservation Systems (Python, Flask, SQLite) with seat search, PNR generation, booking, and cancellation; Chess Game (Python, Pygame) with legal move validation, check/checkmate detection, castling, and en passant.

EDUCATION

SRM Institute of Science and Technology, Ramapuram, Chennai **2023 – 2027 (Expected)**
B.Tech, Computer Science and Engineering (Cyber Security) CGPA: 8.6/10

Velammal Vidhyashram, Mambakkam **2023**
Class XII, CBSE

Velammal Vidhyashram, Mambakkam **2021**
Class X, CBSE 84.4%

PUBLICATIONS

- "Smart Multi-Branch Stationery Shop ERP with Demand Forecasting and Stock Reorder Planning," *International Journal of Scientific Research in Engineering and Management (IJSREM)*, April 2026.

CERTIFICATIONS

- **Java Programming** – Tru-Augment People Solutions Pvt. Ltd.
- **Cyber Security** – Pregrad (network security, threat detection, security best practices)
- **Prompt Engineering** – Thirumoolar Software Pvt. Ltd. (AI-assisted development, working with LLMs)

ACHIEVEMENTS AND LEADERSHIP

- **Entrepreneurship Development Program (EDP) Recognition, Government of India:** Recognized for mentoring handcart artisans on packaging, distribution, digital marketing, and e-commerce adoption.
- **Volunteer, Kids World Foundation:** Supported educational and social welfare programs for children, and contributed the KWFPicshare event gallery to the foundation.

LANGUAGES

English (Professional) | Tamil (Professional) | Telugu (Native)