

Sriram R

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Profile

Result-driven Software Developer (B.E. CSE, 2026) with practical experience in full-stack development using Python (Flask) and React.js. Delivered end-to-end features during an R&D internship, including API design, authentication, database integration, and frontend components. Strong in OOP, debugging, version control, and Agile workflows. Seeking entry-level roles such as Software Engineer, Full-Stack Developer, or Backend Developer to build scalable, production-grade applications.

Experience

Python & Web Development Intern — Pemchip Infotech (R&D Unit) May 2025 – Jul 2025 (Remote)

- Implemented backend services and REST APIs using **Flask**; created endpoints for user flows and integrated them with frontend components.
- Built responsive UI elements and connected them to APIs; reduced frontend-backend integration issues.
- Integrated relational databases (MySQL/SQLite), implemented data validation and optimized queries for faster responses.
- Used **Git/GitHub** for version control, participated in Agile stand-ups and code reviews; created automation scripts to save developer time.
- Improved logging and error-handling to increase observability and ease debugging.

Selected Projects

Vehicle Breakdown Assistance Management System 2025

Full-stack web application (React.js + Flask + MySQL). Implemented user authentication, request workflows, real-time status updates, and RESTful API endpoints. Focused on reliable data flow and error-handling for production readiness.

Task Tracker Web App 2025

Task management tool with Flask backend and SQLite. Implemented secure login, CRUD operations, search and filters, and session management. Optimized database access and validated input to prevent common issues.

Elena Chatbot (AI Project) 2025

Python, React.js, REST APIs, External API Key Integration. Developed an AI chatbot using a Python backend with React.js frontend. Integrated an external API key for message processing, implemented secure API routing, and built a responsive real-time chat UI. Designed modular components, handled async requests, and ensured smooth communication between frontend and backend.

Personal Portfolio (React) 2025

Responsive React portfolio showcasing projects, skills and contact form. Emphasized component reusability and mobile-first design.

Education & Certifications

2022–2026 **B.E. in Computer Science Engineering**, P.T. Lee Chengalvaraya Naicker College of Engineering and Technology

2020–2022 Higher Secondary Certificate, Saraswathi Matriculation Higher Secondary School

2019–2020 SSLC, Saraswathi Matriculation Higher Secondary School

Certifications: ReactJS Projects for Beginners — Simplilearn (2025); Python Certification — Simplilearn (2025); JavaScript for Beginners — Simplilearn (2025).

Skills

- **Languages:** Python, JavaScript
- **Frontend:** React.js (Hooks), HTML5, CSS3
- **Backend:** Flask, REST API design, authentication
- **Databases:** MySQL, SQLite
- **Tools:** Git/GitHub, basic CI workflows
- **Practices:** Input validation, error handling, logging, Agile

Languages

Tamil Native proficiency
English Advanced proficiency