

SELVA KUMAR S

Software Engineer | Web Development

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EXECUTIVE SUMMARY

Entry-level Software Engineer with strong knowledge of Software Development Life Cycle (SDLC) and experience in building web applications using Python and Django. Skilled in developing backend logic, implementing CRUD operations, and working with relational databases such as MySQL and PostgreSQL. Familiar with front-end technologies including HTML, CSS, and Bootstrap, and capable of building responsive user interfaces. Basic understanding of REST APIs, debugging, and writing clean, maintainable code. Hands-on experience with version control using Git. Understanding of Agile methodologies and collaborative development practices. Focused on developing efficient, scalable applications and solving real-world problems. Seeking an entry-level Software Engineer / Developer role in a dynamic environment.

EDUCATION

MCA – Master of Computer Applications Asan Memorial College of Arts and Science, Chennai, India CGPA: 8.3	2024 – 2026
B.Com (CA) – Bachelor of Commerce with Computer Applications Asan Memorial College of Arts and Science, Chennai, India CGPA: 8.1	2021 – 2024

SKILLS

Technical Skills:

Languages: Python, JavaScript

Frameworks: Django

Web Technologies: HTML5, CSS3, Bootstrap, Responsive Design

Databases: MySQL, SQLite, PostgreSQL

Cloud Platforms: AWS

Tools & Development Environment: Git, GitHub, VS Code, Chart.js, Postman

AI & Emerging Technologies:

Artificial Intelligence (AI), Machine Learning, AI-assisted Development Tools

Visualization Tools: Power BI, Tableau

PROJECTS

1. CMS Pro – Complaint Management System

Technologies: Django 6.0, Python, JavaScript, Chart.js, HTML5, CSS3, Bootstrap 5, SQLite, SMTP.

- Developed a 3-tier **RBAC architecture** (Admin, Manager, User) for secure and structured complaint management
- Implemented an automated **SLA monitoring system** to track and alert overdue complaints based on 3-day thresholds.
- Built an interactive **Admin Analytics Dashboard** using Chart.js to visualize status breakdowns and resolution rates.
- Integrated automated **SMTP email triggers** and a reporting feature for one-click **CSV/PDF data export**.
- Designed a premium **Glassmorphism UI** with a built-in feedback system to track **customer satisfaction (CSAT)**.

2. VetSphere – Pet Care Management System

Technologies: Django 5.0, Python, JavaScript, Chart.js, HTML5, CSS3, Bootstrap 5, SQLite, SMTP.

- Built a full-stack web application to manage pet records, appointments, and billing across **7 integrated modules** for 50+ simulated records
- Implemented **role-based user authentication** and admin dashboard using Django's built-in auth system for secure data access
- Designed normalized relational database schema with **8+ models**; optimized Django ORM queries reducing response time by ~30%
- Integrated **Chart.js** for real-time financial data visualization and clinic trajectory analytics for administrative insights
- Automated email delivery to send dynamic **PDF invoices** (generated via xhtml2pdf) to users upon appointment confirmation
- Built a fully **responsive UI** using Bootstrap 5 ensuring a consistent and premium experience across all mobile and desktop devices

CERTIFICATIONS

- React.js Development – Tech Force Institute
- Employability Enhancement Skills – ACME Academy