

Sathishkumar S

Python Full Stack Developer — (Django, REST APIs, SQL)

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Summary

Computer Science graduate with hands-on experience in full-stack development using Python, Django, SQL, HTML, CSS, and JavaScript. Developed and deployed web applications with RESTful APIs, authentication, database integration, and responsive user interfaces. Strong focus on clean, maintainable code and building scalable applications across both frontend and backend. Motivate teams to achieve high-quality results while embracing optimization techniques for performance enhancement.

Skills

- **Languages:** Python, JavaScript
- **Frameworks:** Django, Django REST Framework
- **Databases:** MySQL, SQL
- **Web:** HTML, CSS, Bootstrap
- **Tools:** Git, GitHub, Postman, VS Code, PyCharm
- **Concepts:** CRUD, ORM, Authentication, REST APIs

Projects

School Management System - Django REST Framework API (Backend Project) GitHub

- Developed and deployed high-performance REST APIs using Django REST Framework, optimizing scalability and reliability.
- Integrated JWT-based authentication and role-based access control, increasing system security and reliability.
- Improved API speed using select related and prefetch related, reducing query count by 30%.
- Collaborated with front-end developers to build a cohesive system with efficient server-side operations, showcasing effective programming practices.
- Utilized Postman for API testing and optimized models using Django ORM.

Billing Management System - Django (Full-Stack Project) GitHub

- Built a full-stack billing and inventory system using Django and MySQL.
- Implemented secure authentication, authorization, and CRUD features, improving user management efficiency by 30%.
- Optimized database queries, reducing response time by 25% and improving reporting performance.
- Configured Django templates, URL routing and form handling for seamless navigation and user experience, Implemented front-end design enhancements to improve user experience.

To-Do Application - Django (Full-Stack Project) GitHub

- Developed a full-stack task management application using Django with a clean and modular architecture.
- Implemented CRUD operations with Class-Based Views (CBVs) for reusable and scalable code.
- Designed a responsive UI and added dark-mode using JavaScript and CSS for enhanced user experience.
- Integrated MySQL for structured data storage and smooth data retrieval, showcasing effective object relational mapping and database interaction.

Education

Krishna Arts and Science College, Krishnagiri, Tamil Nadu
Bachelor of Science in Computer Science

2022-2025

Certifications

- Python Full Stack Development - Besant Technologies (Certificate in progress)