UDAY SHARAD RASAL

Python Django Developer | Backend Developer | Full Stack Python Developer

Pune, Maharashtra, India | udayrasal2222@gmail.com | +91-7447851396 | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Backend-focused Python Django Developer with hands-on experience designing, building, and deploying full-stack web applications using Python, Django, and Django REST Framework (DRF). Skilled in RESTful API design and development, MySQL database design and optimization, Django ORM, and JWT-based authentication and authorization. Built and deployed a production-style appointment management system supporting 100+ users, following structured SDLC and Agile/Scrum practices. Proficient across the stack with HTML5, CSS3, Bootstrap, and JavaScript for responsive frontend integration, AJAX, and JSON-based data exchange. Strong problem-solving and debugging skills grounded in data structures, algorithms, and clean code practices. Seeking an entry-level Python Developer / Django Developer role to design reliable, scalable backend systems.

TECHNICAL SKILLS

Programming Languages: Python (Core Python, Advanced Python), Object-Oriented Programming (OOP), JavaScript
Frameworks: Django, Django REST Framework (DRF), Bootstrap
Backend Development: REST API, RESTful Services, API Development, API Integration, CRUD Operations, MVC/MVT Architecture, Serialization
Authentication & Security: JWT Authentication, Session Authentication, Authorization
Frontend: HTML5, CSS3, JavaScript, AJAX, JSON, Responsive Web Design
Database: MySQL, SQL, Database Design, Database Optimization, ORM (Django ORM)
Testing & Version Control: Unit Testing, Debugging, API Testing, Postman, Code Review, Git, GitHub
Dev Tools & Environment: VS Code, Linux, Virtual Environment (venv), Pip, Git-based Deployment Workflows
Concepts & Methodologies: Data Structures, Algorithms, Problem Solving, Performance Optimization, SDLC, Agile, Scrum, Clean Code
Professional Skills: Communication, Team Collaboration, Analytical Thinking, Time Management, Adaptability, Continuous Learning

PROFESSIONAL EXPERIENCE

Backend Developer Intern — Web Asha Technologies *6 Months*

- Engineered 10+ backend modules in Django, including models, views, and authentication workflows, supporting two production-style applications and reducing manual setup effort.
- Integrated 15+ RESTful API endpoints using Django REST Framework, enabling secure CRUD operations and improving reliability across core application workflows.
- Optimized a MySQL database containing 10+ tables through query tuning and schema design, improving data-retrieval performance by an estimated 30%.
- Delivered responsive UI components using HTML5, CSS3, and JavaScript across 5+ modules, improving usability and interface consistency across desktop and mobile devices.
- Collaborated with a 4+ member Agile/Scrum team on sprint planning and code reviews, resolving 10+ issues to strengthen application stability.

PROJECTS

Novena App — Appointment Management Web Application

Django, Django REST Framework, MySQL, HTML5, CSS3, Bootstrap, JavaScript, REST API, JWT Authentication | GitHub: github.com/rasaluday/NovenaAppProject

- Architected a full-stack Django and DRF appointment management system supporting 100+ registered users, implementing JWT authentication and role-based authorization for admin and patient roles.
- Designed 10+ RESTful API endpoints and an 8-table MySQL schema using Django ORM to power appointment booking and patient records, improving data reliability and query performance.
- Built a responsive Bootstrap and JavaScript frontend spanning 10+ pages plus an admin dashboard, improving scheduling efficiency and reducing manual coordination effort.

E-Learning Platform — Django Web Application

Django, MySQL, HTML5, CSS3, JavaScript, REST API, CRUD, Authentication | GitHub: github.com/rasaluday/EducenterProject

- Developed a Django-based e-learning platform spanning 4+ modules, including registration, course browsing, enrollment, and progress tracking, to improve student self-service and engagement.
- Implemented JWT authentication and CRUD-driven enrollment and progress-tracking functionality across 5+ API endpoints using Django ORM and MySQL, reducing manual data entry.
- Established an admin dashboard covering three core entities — courses, categories, and users — with AJAX and JSON-based updates, improving responsiveness and administrative efficiency.

EDUCATION

Bachelor of Engineering — Electronics and Telecommunication *2021 – 2025*

JSPM's Bhivarabai Sawant Institute of Technology and Research, Wagholi, Pune | CGPA: 8.05

ADDITIONAL EXPERIENCE & PROJECTS

- CodSoft Internship (2023–2024) — Created a portfolio website and landing page using HTML, CSS, and JavaScript, applying core Python programming concepts to real-world scenarios.
- Final Year Project — Prototyped an AI-based automatic health monitoring system for humans by integrating embedded hardware with software logic to detect health parameters automatically.