

Inkollu Pavan Kumar

Python Developer - Flask

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Professional Summary

Python Developer with 2+ years of hands-on experience in backend web development using Django, DRF, and RESTful APIs. Proficient in MySQL, OOP, Git, Docker, and AWS deployment. Familiar with Flask and FastAPI for microservices. Experienced in containerization, CI/CD pipelines, and Agile team collaboration.

Work Experience

- Freelance Python Developer & Mentor — RemoteMay 2022 – Apr 2024
- Delivered hands-on Python training focused on **Object-Oriented Programming (OOP)**, **Data Analysis**, and **Web Scraping**, helping over 10 students transition from beginner to project-ready developers.
 - Designed and guided real-world mini-projects, boosting concept retention and student engagement by over 30%.
 - Mentored students in building **RESTful API** integrations using **Django** and **Django Rest Framework (DRF)**, reinforcing backend architecture, performance optimization, and deployment workflows.
 - Provided hands-on guidance in **Python programming**, problem-solving, debugging, and clean code practices aligned with real-world development standards.
 - Conducted live code reviews and technical discussions, fostering collaborative thinking and code quality awareness.

Education

- Bachelor of Engineering in Electronics and Communication Engineering SathyabamaJun 2019
- Institute of Science and Technology, Chennai. Academic Percentage: 73%
- Intermediate Education (Mathematics, Physics, Chemistry)Apr 2015
- Sri Chaitanya Educational Institute, Vijayawada, AP

Skills

- Programming & Web Development:**Python, Django, DRF, React (Basics), JavaScript(ES6+), HTML, CSS, Object-Oriented Programming (OOP), Multi-threading, Flask(Basics).
- API Design & Backend Integration::** RESTful APIs, JWT Authentication, Razorpay Integration, Web Scraping.
- Databases & Libraries:** MySQL (Optimized Queries), sql server (Basics), NumPy, Pandas, Matplotlib, ML(Basics).
- DevOps & Cloud Technologies:** : Docker, AWS EC2/S3, CI/CD Pipelines (GitHub Actions), Environment Configuration.
- Version Control & Workflow:** Git, GitHub, Agile Methodologies (Scrum), Software Development Lifecycle (SDLC Basics)
- Testing & Code Quality:** Unit Testing (unittest), API Testing with PyTest,, Integration Testing Debugging.
- Soft Skills:** strong problem-solving skills, Cross-Functional Team Collaboration, Technical Communication, Ownership Accountability, Adaptability in Agile Environments, Analytical Thinking, Attention to Detail, Self-Motivation

Projects

- ShopWave: Scalable E-commerce PlatformGitHub Repo
- Tech Stack: Django, DRF, MySQL, RESTful APIs, AWS EC2, Razorpay, Docker
- Engineered a scalable e-commerce application using **Django** and **DRF**, featuring role-based authentication, optimized **MySQL** queries, and clean RESTful APIs.
 - Boosted backend performance by 25% through query optimization and strategic caching techniques.
 - Integrated Razorpay Payment Gateway** to simulate real-time financial transactions, ensuring security and compliance.
 - Deployed the app on **AWS EC2** for high-availability, supporting 99.9% uptime under simulated traffic conditions.
 - Collaborated with frontend developers and DevOps team to ensure seamless integration, testing, and delivery in an **Agile environment**

Certifications

- Full-Stack Python Development, PythonLife2024
- Introduction to Cloud Computing on AWS, Udemy2025