

Inkollu Pavan Kumar

Junior Python Backend Developer

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Professional Summary

Python Developer with hands-on experience in Django, RESTful APIs, and cloud deployments using AWS and Docker. Built and deployed an e-commerce platform with Razorpay integration and 99.9% uptime on AWS EC2. Optimized backend performance with efficient MySQL queries and caching, improving load time by 25%. Strong in clean code practices, debugging, and mentoring through Python tutoring and project guidance.

Work Experience

Python Tutor (Freelance)	Mar 2022 – Jun 2023
<ul style="list-style-type: none">Delivered hands-on Python training focused on OOP, Data Analysis, and Web Scraping, helping over 10 students transition from beginner to project-ready developers..Designed real-world mini-projects and custom exercises that boosted concept retention and student engagement by 30%.Mentored students through building RESTful API integrations, enhancing their understanding of backend architecture and deployment workflows.Provided hands-on guidance in Python programming concepts, improving students' problem-solving skills.Facilitated live debugging and code reviews, instilling clean code practices and problem-solving techniques.	

Education

Bachelor of Engineering in Electronics and Communication Engineering	Sathyabama	Jun 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 (Advanced), Django, JavaScript, HTML, CSS.
API Development:	RESTful APIs, Third-Party API Integration, Web Scraping, Backend–Frontend Data Synchronization.
Databases & Libraries:	MySQL (Optimized Queries), MongoDB (NoSQL), NumPy, Pandas, Matplotlib.
DevOps & Cloud Technologies:	: Docker, AWS EC2/S3, CI/CD Pipelines
Version Control	Workflow: Git, GitHub, Agile, Scrum, (Learning: Jira)
Code Quality	Debugging: Unit Testing, Code Reviews, Software Debugging, Clean Code Practices.
Soft Skills:	Problem Solving, Analytical Thinking, Team Collaboration, Self-Management, Adaptability

Projects

ShopWave: Scalable E-commerce Platform	GitHub Repo
Tech Stack: Django, MySQL, RESTful APIs, AWS EC2, Razorpay, Docker	
<ul style="list-style-type: none">Developed a fully functional e-commerce platform using Django and MySQL, featuring product listing, cart, secure checkout, and user authentication.Built and integrated RESTful APIs to handle frontend-backend communication and improved load time by 25% using efficient queries and caching strategies.Integrated Razorpay for secure online payments and order processing.Deployed the application on AWS EC2 for high-traffic handling, ensuring 99.9% uptime and seamless cloud scalability.Containerized the entire app using Docker to ensure consistent deployment across environments.	

Certifications

Full-Stack Python Development, PythonLife	2024
Introduction to Cloud Computing on AWS, Udemy	2025