

Inkollu Pavan Kumar

Backend Developer

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Professional Summary

Backend Engineer with strong Python development experience, specializing in building high-performance, scalable backend systems using Django and RESTful APIs. Proficient in designing modular services, integrating relational and NoSQL databases, and deploying via Docker and AWS. Skilled in debugging, testing, and collaborating with frontend teams to ensure smooth API integration. Open to full-time backend roles with a focus on reliability, performance, and clean architecture.

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

Advanced Python Programming Language, Cisco	2024
Full-Stack Python Development, PythonLife	2024