

# Inkollu Pavan Kumar

## Python Web Developer

pavankumarinkollu@gmail.com | +91 90032 56943 | linkedin.com/in/pavankumar1511 | github.com/pavaninkollu

### 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"><li>Delivered hands-on Python training focused on <b>OOP</b>, <b>Data Analysis</b>, and <b>Web Scraping</b>, helping over <b>10 students</b> transition from beginner to project-ready developers..</li><li><b>Designed</b> real-world mini-projects and custom exercises that boosted <b>concept retention</b> and student engagement by <b>30%</b>.</li><li><b>Mentored</b> students through building <b>RESTful API integrations</b>, enhancing their understanding of backend architecture and deployment workflows.</li><li>Provided hands-on guidance in <b>Python programming</b> concepts, improving students' <b>problem-solving skills</b>.</li><li>Facilitated live <b>debugging</b> and <b>code reviews</b>, instilling clean code practices and problem-solving techniques.</li></ul>	

### 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"><li><b>Developed</b> a fully functional e-commerce platform using <b>Django</b> and <b>MySQL</b>, featuring product listing, cart, secure checkout, and user authentication.</li><li>Built and integrated <b>RESTful APIs</b> to handle frontend-<b>backend</b> communication and improved <b>load time by 25%</b> using efficient queries and caching strategies.</li><li><b>Integrated Razorpay</b> for secure online payments and order processing.</li><li>Deployed the application on <b>AWS EC2</b> for high-traffic handling, ensuring 99.9% uptime and seamless cloud scalability.</li><li><b>Containerized</b> the entire app using <b>Docker</b> to ensure consistent deployment across environments.</li></ul>	

### Certifications

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