

# Inkollu Pavan Kumar

## Python Developer

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### Professional Summary

Python Developer with hands-on experience in Django, RESTful APIs, and deploying scalable applications using AWS and Docker. Proficient in backend development, MySQL database management, version control with Git, and clean code practices including unit testing. Strong problem-solving skills with experience mentoring in Python, working in Agile teams, and a quick ability to learn and adapt to new technologies..

### 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. <b>Academic Percentage:</b> 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, Web Scraping, Razorpay Payment Gateway, Secure Transaction Processing.		
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.		
Code Quality Debugging: Unit Testing (unittest), Integration Testing, Code Reviews, 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 Payment Gateway</b> to enable secure financial transactions, simulating a real-world <b>FinTech</b> payment system.</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