

# DIXIT NANDANIYA

Python Developer

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## Professional Summary

Results-driven Python Developer with 2+ years of experience building APIs, automation pipelines, and cloud-native applications. Skilled in Python, AWS, and NoSQL databases, with proven success in optimizing latency, scaling systems, and improving reliability through monitoring and automation.

## Skills

**Programming:** Python, SQL, JavaScript, HTML5, CSS3

**Technologies & Tools:** AWS (EC2, S3, Lambda, CloudWatch, Boto3), Django, REST API Development, SDLC, Data Structures & Algorithms, OOP, Database Schema Design, MySQL, PostgreSQL, MongoDB, Redis

**DevOps & Cloud:** CI/CD, Docker, Git, GitHub, Agile Methodology, Monitoring & Troubleshooting

**Networking & Protocols:** HTTP/HTTPS, SSH, Client-Server Architecture

**Soft Skills:** Clear Communication, Problem-Solving, Analytical Thinking, Critical Thinking, Documentation, Team Collaboration, Leadership

## Experience

<b>Python Developer</b> Coretus Technologies	May 2022 – April 2023 Rajkot, GJ, India
<ul style="list-style-type: none"><li>Built a low-latency trading backend (Python, WebSocket, REST, MongoDB) that cut execution time by 60%, scaled to 3 million+ trades/day, and drove a 25% investment increase.</li><li>Deployed and managed services on AWS (EC2, S3, CloudWatch, Auto Scaling), enabling live alerts and improving incident response by 70%.</li><li>Optimized database queries and indexing for MongoDB reducing data retrieval latency by 35%.</li><li>Developed Python components leveraging AWS APIs for real-time data processing and scalable back-end services.</li></ul>	
<b>Python Developer Intern</b> Coretus Technologies	January 2022 – April 2022 Rajkot, GJ, India
<ul style="list-style-type: none"><li>Built a multi-account trading app (Python, PyQt5, MySQL) that increased throughput by 25% and eliminated manual errors.</li><li>Created broker-sync module that executes trades in &lt; 100 ms, enabling high-frequency trading with real-time API Integration.</li><li>Wrote end-to-end tests and exception handlers, cutting support tickets by 30%.</li><li>Deployed on AWS and built a batch pipeline to gather and process daily settlement files that reduced manual effort and processing time by 40%.</li></ul>	
<b>Software Developer</b> Striker Apps	January 2021 – December 2021 Ahmedabad, GJ, India
<ul style="list-style-type: none"><li>Built serverless microservices (AWS Lambda, API Gateway, DynamoDB), reducing infrastructure costs by 30%.</li><li>Designed event-driven workflows (EventBridge, SQS), reducing processing delays by 40%.</li><li>Automated CI/CD via GitHub Actions, halving deployment time.</li><li>Conducted integration &amp; performance testing, refining service reliability which boosted uptime to 99.9%.</li></ul>	

## Projects

<b>ReSecure (Flutter, Firebase)</b>
<ul style="list-style-type: none"><li>Built a cross-platform mobile app turning old smartphones into home security cameras with Flutter and Firebase—powered real-time streaming and motion alerts—offering a low-cost security solution with zero additional hardware. Simplified setup for non-technical users, introducing multi-user access and instant notifications, boosting accessibility and user satisfaction.</li></ul>
<b>ML K.I.D.A. – Automated Mite Detection (Django, YOLOv8, Deep Sort)</b>
<ul style="list-style-type: none"><li>Developed an ML-powered web tool built with Django and YOLOv8, that detects and tracks crop mites in real time with 90% accuracy, reducing manual farming inspections by 50%. Enabled actionable alerts, giving farmers real-time updates for faster pest control—strengthening crop management and yield protection.</li></ul>

## Education

<b>Master of Applied Computer Science</b> University of Windsor	May 2023 – August 2024 Windsor, ON, Canada
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## Certifications

Agile Software Development: Clean Coding Practices (LinkedIn Learning), Data Science Bootcamp 2024 (Udemy), SQL Associate (DataCamp), Data Engineer (DataCamp), Data Analyst (DataCamp), Understanding Prompt Engineering (DataCamp)