

DIXIT NANDANIYA

Software Developer

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Professional Summary

Software Developer with a proven track record of enhancing software efficiency and delivering impactful solutions. Proficient in Python, automation tools, and SDLC, with expertise in creating scalable, user-focused applications. Passionate about using technology to drive innovation and achieve measurable outcomes while applying current industry trends and techniques.

Skills

Programming: Python, SQL, HTML, CSS, JavaScript

Frameworks & Tools: Django, Git, GitHub, MongoDB, MySQL, Visual Studio, PyCharm

Development Knowledge: Data Structures and Algorithms, Object-Oriented Programming, Software Development Lifecycle (SDLC), Agile Methodology, Web Development, Machine Learning, Application Health Monitoring, ETL Tools

Soft Skills: Clear Communication, Interpersonal Skills, Analytical Skills, Problem-solving, Critical Thinking, Documentation

Education

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| Master of Applied Computing – AI Stream University of Windsor | May 2023 – August 2024 Windsor, ON, Canada |
| B. Tech in Computer Engineering Ganpat University | July 2018 – May 2022 Mehsana, GJ, India |

Experience

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| Python Developer Coretus Technologies | May 2022 – April 2023 Rajkot, GJ, India |
| <ul style="list-style-type: none">Designed and deployed backend systems using Python, WebSocket, and SQL, ensuring real-time data logging and efficient trade execution.Reduced operational risks by implementing automated testing frameworks, improving error handling and system reliability.Delivered end-to-end software solutions that streamlined workflows and aligned with business goals.Applied knowledge of industry trends to enhance system performance and solution delivery. | |
| Python Developer Intern Coretus Technologies | January 2022 – April 2022 Rajkot, GJ, India |
| <ul style="list-style-type: none">Automated multi-account trading operations using a Python and PyQt5-based desktop application.Streamlined real-time trade execution by integrating broker data using WebSocket, APIs, and MongoDB.Enhanced system reliability by conducting thorough performance testing and optimizing application workflows.Investigated and resolved application incidents to ensure continuous operational efficiency. | |

Projects

- ReSecure:** Designed a cross-platform home security system using Flutter and Google Cloud Platform (GCP), repurposing old smartphones into surveillance cameras. Implemented features like real-time notifications, motion detection, and multi-user access, resulting in a sustainable and cost-effective solution praised for its user-friendly interface and modern security capabilities.
- AdventureMinds:** Built a travel planning platform using Django, Python, and Django Channels to enable real-time chat, itinerary sharing, and user networking. Simplified trip planning with collaborative tools and community features, creating a seamless and engaging experience for travelers.
- ML K.I.D.A:** Developed a web-based computer vision solution using YOLOv8, Deep Sort, and Django to automate counting two types of mites from video footage. Leveraged advanced object detection, tracking algorithms, and Roboflow for data optimization, delivering a precise and scalable system that reduced manual errors and supported sustainable agriculture.
- YouTube Data Analysis:** Built a data engineering and analysis system using AWS S3, Glue, Lambda, and QuickSight to process and analyze global YouTube trends. Automated data collection, cleaned and transformed datasets, and delivered visual dashboards, helping businesses and creators make data-driven decisions.

Certifications

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