

# NIRANJ PATEL

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Los Angeles, CA

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## Education

**California State University, San Bernardino, USA**

**Aug 2022 - May 2024**

- *Master of Science in Computer Science (GPA: 3.57)*

**Gujarat Technological University, India (GPA:3.62)**

**Aug 2017 - May 2021**

- *Bachelor of Engineering in Computer Engineering*

## Certification

Build 2024 Gen AI Bootcamp | Snowflake | 2024

MLOps Certification | Ineuron | 2024

## Work Experience

**MLOps Engineer at Hoosier Community Network, Bloomington, IN**

**Aug 2024 – Present**

- Improved model monitoring processes, leading to a 20% reduction in model performance degradation incidents.
- Developed and maintained CI/CD pipelines for model deployment on cloud infrastructure using Jenkins, GitLab CI, and Kubernetes.
- Worked with data scientists and software engineers to ensure smooth transition of machine learning models from development to production.
- Utilized AWS services (S3, Lambda, EC2, SageMaker) to build scalable, fault-tolerant ML systems for production environments.
- Successfully implemented multi-cloud deployment strategies, enabling the team to leverage the best cloud services for specific tasks.

**Software Engineer at Infiniqe, India**

**June 2021 – Jul 2022**

- Designed and implemented a high-performance microservices-based architecture for a large-scale e-commerce platform, resulting in a 40% reduction in system downtime.
- Developed and optimized backend APIs using Java and Spring Boot, improving request processing time by 30%.
- Integrated third-party APIs for payment processing, shipping, and customer notifications, ensuring secure and seamless transactions.
- Collaborated with frontend teams using React.js to implement responsive user interfaces for mobile and desktop platforms.
- Wrote unit and integration tests using JUnit and Mockito, achieving 90% code coverage and significantly reducing defects in production.
- Implemented CI/CD pipelines with Jenkins and Docker, decreasing deployment time by 50%.
- Participated in weekly agile sprints, providing input on user stories, sprint planning, and retrospectives.

**Software Developer Intern at Infiniqe, India**

**Aug 2020 – May 2021**

- Collaborated with a team of developers to design and implement new features for an internal tool using Python and Django.
- Wrote clean, efficient, and reusable code while following best practices for software design.
- Assisted in debugging and optimizing existing code to improve performance and reduce load times.
- Participated in daily stand-up meetings and contributed to sprint planning and retrospectives using Agile methodology.

## Technical Skills

- **Programming Languages:** Python, SQL, Bash
- **Machine Learning Framework:** Scikit-learn, Seaborn, PyTorch, TensorFlow, Pandas
- **Machine Learning Operations (MLOps):** Model deployment, version control, automation, monitoring, and model lifecycle management, Docker, Kubernetes, MLFlow, DVC, Airflow.
- **Cloud Platforms:** AWS (EC2, S3, SageMaker), Azure, GCP
- **DevOps & CI/CD:** Jenkins, GitLab CI, CircleCI, Docker, Kubernetes, Terraform, Ansible.
- **Monitoring & Logging:** Prometheus, Grafana
- **Database:** MySQL, MongoDB
- **Additional Skill:** Natural Language Processing (NLP), Hugging Face, Text-to-Speech Synthesis

## Academic Projects:

**Gemstone Data End- to-End MLOps Pipeline (URL: [GitHub](#))**

Technology: Python, MLFlow, Airflow, DVC, GitHub Actions, Aws S3, Docker

**Stock Market Price Prediction | Machine Learning and Natural Language Processing**

Technology: Python, Keres, CNN, LSTM, Random Forest, TensorFlow, PyTorch, Scikit-learn .