

NIRANJ PATEL

<https://www.linkedin.com/in/niranjpatel/> | [GitHub](#) | [Portfolio](#)

+1 (984) 900-9050

niranj.patel3658@coyote.csusb.edu

Los Angeles, CA

Education

California State University, San Bernardino, USA

Aug 2022 - May 2024

- *Master of Science in Computer Science*

Gujarat Technological University, India

Aug 2017 - May 2021

- *Bachelor of Engineering in Computer Engineering*

Work Experience

MLOps Engineer at Vosyn AI, Chicago, Illinois

Nov 2024 - Present

- Implemented efficient build, deployment, and configuration systems for voice synthesis solutions.
- Optimized preprocessing and training workflows, enhancing model accuracy and efficiency.
- Monitored deployment metrics and improved release processes for faster delivery.
- Documented technical strategies and best practices to streamline team operations.

MLOps Engineer at Hoosier Community Network, Bloomington, IN

Aug 2024 - Present

- Deployed and monitored ML models in production with AWS SageMaker, streamlining processes.
- Developed CI/CD pipelines for ML models with GitHub Actions, streamlining deployment and version control.
- Created Containerized applications with Docker ensuring scalability, essential for robust ML operations.
- Utilized MLflow to track experiments, manage models, and automate versioning in the training phase.

Software Engineer at Infiniqe, India

June 2021 - Jul 2022

- Developed a Property Management Website using HTML, CSS, JavaScript, and PHP with automated features.
- Led AJAX implementation on the website, optimizing page load times and reinforcing in web load handling.
- Built an admin panel for real-time content management, reducing update times with optimized scripts.
- Implemented efficient SQL database connections, enhancing CRUD operations and data handling.

Software Developer Intern at Infiniqe, India

Aug 2020 - May 2021

- Led projects using agile methodologies, enhancing development cycles and delivery efficiency.
- Participated in code reviews and debugging, leading to a 20% decrease in user-reported bugs.

Technical Skills

- Programming Lang: Python, SQL, Bash
- Machine Learning Framework: Scikit-learn, Seaborn, PyTorch, TensorFlow, Pandas
- MLOps Tools: Docker, Kubernetes, MLFlow, DVC, Airflow
- Cloud Platforms: AWS (EC2, S3, SageMaker), Azure, GCP
- CI/CD and Version Control: Jenkins, GitHub Actions, Git, GitHub
- Monitoring & Logging: Prometheus, Grafana
- Database: MySQL, MongoDB

Academic Projects:

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

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

- Incited MLOps pipeline with DVC and CI/CD, automating data ingestion, preprocessing, and model training.
- Deployed scalable ML models with Docker for seamless integration, version control, and real-time predictions.
- Managed the full ML pipeline lifecycle, enhancing production efficiency.

Stock Market Price Prediction | Machine Learning and Natural Language Processing

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

- Established LSTM networks for stock price prediction with 82% accuracy, demonstrating time-series analysis expertise.
- Applied SVM, decision trees, and neural networks to improve stock price and volatility forecasting.
- Generated high-accuracy ML models, providing actionable insights for short-term investment strategies.