NIRANJ PATEL

https://www.linkedin.com/in/niranjpatel/ |GitHub | Portfolio

+1 (984) 900-9050
niranjpatel95@gmail.com
Los Angeles, CA

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 Vosyn , Chicago, Illinois, USA   **Nov 2024 – Present**
- Design and implement scalable and robust ML pipelines for automating model deployment and updates.
- Implement model monitoring strategies to track performance in production (e.g., model drift, data drift, and prediction quality).
- Participated in weekly Agile sprints, providing input on user stories, sprint planning, and retrospectives to improve team collaboration and development efficiency.
- Develop and maintain infrastructure for MLOps using tools like Kubernetes, Docker, Terraform, and cloud-native services (AWS, Azure, GCP).
- Work closely with data scientists, software engineers, and DevOps teams to ensure models are seamlessly integrated into the production environment.

MLOps Engineer at Hoosier Community Network, Bloomington, IN   **Aug 2024 – Nov 2024**
- 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.

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.

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.
- 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:** Apache Spark, Azure Databricks, 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