

# Nikunj Dineshkumar Gohil

📍 Florida    ✉ nikunjgohil127@gmail.com    📞 +19452444737    [in LinkedIn](#)    [GitHub](#)

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Expertise in Full-Stack Development, Generative AI and Data Engineering. Experienced in building data pipelines, microservices for developing scalable applications, using Python, Databricks, and Azure. Adept at working in Agile environments with strong analytical, leadership, and communication skills that drive innovation and collaboration.

## KEY SKILLS

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Agile Methodologies, Automation, CI/ CD, Data Structures and Algorithms, DevOps, Data Engineering, Microservices, NoSQL, Restful API, System Architecture, Unit Testing, Adaptability, Analytical Thinking, Collaboration, Eagerness to Learn, Problem Solving.

## TECHNOLOGICAL COMPETENCIES

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**Languages:** Python, C/C++, R, Java, SQL, NoSQL

**Databases:** MongoDB, PostgreSQL, MySQL

**Web:** FastAPI, Node.js, React, Flask, Django, HTML, CSS, JavaScript, PHP, TypeScript, TailwindCSS, Bootstrap

**Libraries:** PySpark, Pandas, NumPy, PyTorch, TensorFlow

**DevOps:** Docker, Kubernetes, Azure, CI/CD, Git

**Tools:** Tableau, MATLAB, Databricks, Selenium, MS Office, Postman, Arduino

## EXPERIENCE

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**Quest Global, United States – Software Developer Intern** Feb 2025 – Jan 2026

- Developed a RAG based GenAI web chatbot using React, OpenAI, LangChain, Llamaindex and SQL with user authentication, chat history, and real-time responses. Designed a scalable architecture, including RESTful APIs and asynchronous query handling, to support concurrent users.
- Automated ETL pipeline for data extraction, wrangling, chunking, embedding, and indexing and storing using Databricks Workflow, reducing manual effort by 70%. Coded custom Python script for SVD file parsing, achieving 100% extraction accuracy.
- Evaluated and tuned model performance using prompt engineering, BERTScore and ROUGE metrics; achieved an average evaluation score of 75%, with 35% response improvement.
- Created detailed technical documentation for the application and API usage; participated in client meetings to demonstrate functionality and address feedback effectively during reviews.

**Wynbee, Mumbai, India – Software Developer Intern** Jan 2021 – Jan 2022

- Collaborated cross functionally to integrate APIs improving feature delivery by 20%. Participated in agile sprints to coordinate CI/CD implementation via GitHub Actions and Jenkins, debugging and code reviews for an app with 10K+ users.

- Conducted end-to-end testing using Jest and Postman, and optimized application modules, resolving 150+ defects and improving overall product reliability by 15%.
- Monitored using Prometheus and Grafana for performance and alerting for potential bottlenecks. Developed analytics dashboards using Tableau to visualize activity trends, and sales performance, enabling data-driven insights.

## KEY PROJECTS

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### Parable Application - PostgreSQL, TypeScript

- Developed a React, HTML, CSS, TailwindCSS app for creating and sharing Parables. Integrated the Google Translate API to deliver multilingual support.
- Embedded LLMs for sentiment analysis, and text summarization, enhancing storytelling and user engagement. Containerized the app using Docker and deployed on Kubernetes for optimal resource utilization, automate deployment for scalable, reliable delivery.

### Facial Recognition Attendance System - OpenCV, Tkinter

- Coded in Python utilizing OpenCV and face\_recognition libraries, providing functionalities like user registration, login, and logout through Tkinter designed interface.

### RNN for Forecasting Financial Markets - Tensorflow, Matplotlib

- Built and trained a Recurrent Neural Network on 5 years of data with advanced feature engineering, and hyperparameter tuning achieving 80% and delivering insights using visuals.

## EDUCATION

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### University of Texas at Dallas, USA

Dec 2024

Master of Science in Computer Science, Specialization in Data Science

(GPA 3.7/4)

### K.J. Somaiya College of Engineering, India

May 2022

Bachelor of Technology in Electronic and Telecommunications

(CGPA 9/10)

## CERTIFICATIONS AND ACTIVITIES

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- IBM Back-End Development Professional Certification, MATLAB Onramp, Simulink On-ramp
- Volunteered at KJ Somaiya Hospital during COVID-19 vaccination drive (2021), assisting with administration and community engagement.
- Secured 3rd place in Tech Tantra Technical Event, for presenting Health Monitoring System developed in house.
- Finalist at Bloombox Ennovate Competition 2021. Prepared business model, application prototype for She Rides app using Adobe XD.