

# Tirth Patel

✉ [tirthpatel5393@gmail.com](mailto:tirthpatel5393@gmail.com)   **in** [Tirthpatel](#)   GitHub: [tirthpatel90](#)   ▫ [tirth.dev](#)   ▫ Ahmedabad

## Education

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### LDRP Institute of Technology and Research

June 2023 – present

*Bachelor of Engineering - Information Technology: SPI (5<sup>th</sup> semester): 8.00*

Gandhinagar

*Coursework: Data structures, Operating systems, Computer Networks, Database Management System, Artificial Intelligence, Machine Learning*

## Skills Summary

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<b>Languages</b>	JavaScript, HTML, CSS, Python, SQL
<b>Frameworks / Libraries</b>	React, Node.js, Flask
<b>Tools &amp; Technologies</b>	Docker, Git, Github, Postman, Github Actions, Kubernetes
<b>Cloud &amp; DevOps</b>	AWS (EC2, S3), AZURE (Blob Storage, Cosmos DB), CI/CD Pipelines, Oracle
<b>Databases</b>	PostgreSQL, MySQL, SQLite, Firebase
<b>Core Concepts</b>	Linux Fundamentals, Networking Basics, OOP, System Design fundamentals
<b>Soft Skills</b>	Communication, Leadership, Time Management, Problem Solving, Collaboration

## Experience

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### Microsoft Azure Intern

Jan 2026 – Feb 2026

Microsoft India × AICTE

Remote

- Completed a 4-week industry focused on Microsoft Azure cloud services fundamentals.
- Gained exposure to cloud computing concepts including virtual machines, storage, networking, and deployment models.
- Developed foundational understanding of cloud architecture, resource provisioning, and enterprise cloud environment using Microsoft Azure Portal.

## Projects

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### Data Agnostic MLOps Pipeline | [Link](#)

Ongoing

- Developed a modular MLOps pipeline designed to automate data ingestion, preprocessing, and model training workflows across multiple data formats (CSV, Excel, JSON).
- Implemented structured pipeline orchestration with configuration-based execution and designed project architecture following automation and deployment-ready principles aligned with MLOps & DevOps workflows.
- Structured ML pipeline with future containerization support using docker for reproducible execution.

### DevOps Utility Hub | [Link](#)

March 2026

- Developed a client-side DevOps toolkit with multiple utilities for configuration validation, secrets encoding, and infrastructure helpers.
- Hosted the application on AWS S3 hosting, demonstrating cloud deployment and lightweight serverless delivery of developer tools.

### NAVIQ – Career Guidance Platform | [Link](#)

Dec 2025 – Jan 2026

- Developed a career guidance platform providing structured learning roadmaps, study resources, and interview preparation support for multiple technical roles.
- Build backend REST APIs using python flask with SQLite database integration for managing career and learning data.

## Certifications

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- Oracle Cloud Infrastructure (OCI) Foundation Associate – [Link](#)
- Oracle Cloud Infrastructure Architecture Associate – [Link](#)
- NPTEL–Python for Data Science – [Link](#)