

Durvesh Chaudhari

Electronics Engineering
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EDUCATION

- Sardar Patel Institute of Technology** 2020 - 2024
Bachelor of Technology, Electronics Engineering CGPA: 8.78

EXPERIENCE

- Oracle Financial Services Software** Jul 2024 - Present
Site Reliability Engineer Bengaluru
 - Designed and developed **RunIQ**, a centralized reliability and observability platform for multi-tenant **banking SaaS environments**, providing real-time visibility into service health, incidents, logs, customer environments, and operational usage.
 - Built engineering workflows that correlate **incidents, bugs, logs, traces, infrastructure signals, and service status**, reducing repetitive investigation and improving debugging efficiency by approximately **25%** across engineering and support teams.
 - Developed self-service automation for **log retrieval, environment comparison, database diagnostics, and performance-report generation**, reducing operational effort by approximately **10 hours per week** and accelerating production incident analysis.
 - Engineered an API-driven **deployment automation** workflow that pre-populates pipeline configurations and triggers service deployments, reducing collective deployment effort from approximately **24 hours to under 10 hours**.
 - Integrated **Oracle Generative AI** with enterprise operational data and retrieved logs to generate evidence-grounded incident summaries and root-cause-analysis guidance while preserving engineer review of recommended actions.

PERSONAL PROJECTS

- AI Incident RCA Assistant**
Evidence-backed incident analysis using historical incidents, runbooks, and Generative AI.
 - Built a full-stack incident-triage application using **FastAPI, Next.js, React, and TypeScript** that parses service alerts and deterministically ranks historical incidents and runbooks to produce an evidence-backed RCA, suggested remediation, and confidence score.
 - Integrated **Gemini structured JSON generation** with an evidence-only prompt and a **rule-based fallback**, preserving deterministic evidence and operator-safe recommendations when the model or API is unavailable.
- TouchSign Bridge**
Developed a web app employing ML and Computer Vision to translate Sign Language into text, audio, and Braille.
 - Built a full-stack **ML/Computer Vision** application using **React.js** (frontend) and **Flask** (backend), with **cvzone/OpenCV** for real-time hand tracking and gesture classification.
 - Trained a **CNN via transfer learning on 21,000 images** using **Google Teachable Machine**, achieving **97% training** and **80% testing accuracy** for real-time gesture recognition.

TECHNICAL SKILLS

Programming: Python, SQL, PL/SQL, JavaScript, TypeScript

Reliability Engineering: Incident Management, Root Cause Analysis, Production Troubleshooting, Service Health Monitoring, Deployment Automation

Cloud & Observability: Oracle Cloud Infrastructure (OCI), OCI Monitoring, Grafana, Custom Observability Dashboards

Backend & Databases: FastAPI, Flask, REST APIs, Oracle Database, MongoDB, MySQL

DevOps & Distributed Systems: Docker, Kubernetes, Jenkins, CI/CD, RabbitMQ, Microservices, Git

Generative AI: Gemini API, Oracle GenAI, Evidence-Grounded RCA, Structured LLM Outputs

ACHIEVEMENTS

- Published Research Paper** Sep 2024
 - Co-authored "Talk to Hands: A Sign Language Solution for Speech-Impaired People" — a **CNN-based** system for real-time **Indian Sign Language to text** translation; published at the **Scopus-indexed ICCAIML 2024** conference (Springer CCIS, vol. 2184); achieved **97% training accuracy** across a **21,000-image** dataset.
- Oracle Cloud Infrastructure 2025 Certified Architect Associate** Valid till Apr 2028
 - Issued by **Oracle** on **29 Apr 2026**; covers **OCI IAM, VCN networking, DNS, Load Balancer, Compute, Autoscaling, and Storage services**.
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** Valid till Jan 2028
 - Issued by **Oracle** on **27 Jan 2026**; covers **AI/ML fundamentals, LLMs, Generative AI, OCI AI Services, OCI ML Services, and Oracle 23ai**.