

Harsh Gujarathi

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EDUCATION

- Bachelor of Engineering — Computer Science (Minor in Data Science)** Goa, India
 - Birla Institute of Technology and Science Pilani, K. K. Birla Goa Campus* November 2020 — 2024
 - CGPA 9.2/10.00

EXPERIENCE

- Software Engineer** Hyderabad, India
 - Microsoft — Azure Cloud Migrate* July 2024 — Present
 - Primary Responsibility:** Working on Azure Cloud Migrate, focusing on Kubernetes, distributed systems, and system performance optimization
 - Key Contributions:** Designing and implementing scalable cloud solutions for migrating on-premises applications; Collaborating with cross-functional teams to enhance migration workflows
 - Technologies:** Azure, Kubernetes, Distributed Systems, Cloud Architecture, Database Migration
- Member of Technical Staff Intern** Bengaluru, India
 - DevRev* January 2024 — June 2024
 - Primary Responsibility:** Optimized Global Notifications Microservice architecture handling **60,000+ daily notifications** by implementing **distributed rate limiting**, event-based throttling, and clustering algorithms
 - Key Contributions:** Engineered fault-tolerant notification rate limiter reducing spam by **85%**; Developed hierarchical clustering system with **O (log n)** retrieval time; Architected LLM-powered notification summarizer using OpenAI GPT-4 with custom prompt engineering
 - Technologies:** Microservices, Distributed Systems, OpenAI API, LangChain, Vector Embeddings, Redis Rate Limiting, Performance Optimization
- Software Engineer Intern** Hyderabad, India
 - Microsoft* May 2023 — July 2023
 - Primary Responsibility:** Designed and implemented Customer Side **Metrics for Monitoring Meters** and publishing them to Azure Monitor and Geneva Dashboard using OpenTelemetry
 - Key Contributions:** Actively contributed to design decisions for **Azure Business Continuity Center** (V1 product) with the Azure Core Compute Team; Implemented metrics using OpenTelemetry and its Geneva Extension
 - Technologies:** C#, .NET Framework, OpenTelemetry, Azure Monitor, Geneva Dashboard, MSTest, Telemetry
- Summer Intern** Mumbai, India
 - LTI — Larsen & Toubro Infotech* May 2022 — July 2022
 - Primary Responsibility:** Worked on **DataOps** for Fosfor Spectra software platform, building comprehensive test suites and facilitating data migration
 - Key Contributions:** Coordinated between developers and test engineers to build an **exhaustive set of tests**; Actively participated in Test Design Meetings and Daily SyncUps
 - Technologies:** DevOps, Data Migration, Test Automation, Collaborative Development

SKILLS

- Languages:** Java, Kotlin, Python, JavaScript, C#, C++, Dart, Go
- Frameworks:** Flutter, Android Framework, .NET Framework, NodeJS, React, TensorFlow, PyTorch
- Cloud & DB:** AWS, Azure, Google Cloud, Firebase, MongoDB, Redis, Appwrite
- Tools:** Git, Android Studio, VSC, Datadog, NumPy, Pandas, Qiskit
- Soft Skills:** Leadership, UI Design, Event Management, Team Collaboration

AWARDS & SCHOLARSHIPS

- Merit Scholarship**
 - Awarded by BITS Pilani to the top 2% students in the university, for the first five semesters*
- JEE Advanced Rank - 8211**
 - Secured rank of 8211 among over 2 lakh students participating in India's premier engineering entrance examination*
- MHCET Rank - 197**
 - Secured rank of 197 among over 1.5 lakh students in Maharashtra's engineering entrance examination*