Harsh Gujarathi

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https://github.com/alphaNewrex
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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*