

# Yagnesh Patel

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## EDUCATION

- **School of Engineering and Applied Science, Ahmedabad University** Ahmedabad, India  
Oct 2020 - May 2024  
• *B.Tech in Computer Science & Engineering; GPA: 3.33/4.00*  
*Courses: Data Structures and Algorithms, Operating Systems, Machine Learning, Networking, Databases*

## TECHNICAL SKILLS

- **Languages:** JavaScript, Dart, Python, C++, Go, SQL, Bash, Java, TypeScript, PHP
- **Frameworks & Libraries:** Node.js, Express.js, GraphQL, Flutter, React.js, Laravel, FastAPI
- **Tools & Technologies:** Git, MongoDB, PostgreSQL, QdrantDB, MySQL, Redis, Django, LangGraph, LangChain
- **Cloud & Infra:** AWS (lambda, SQS, EC2, S3, RDS), Docker, Prometheus, Grafana

## EXPERIENCE

- **Sacesta Technologies** Nov 2024 - Present  
Ahmedabad  
• *SDE*
  - Designed and maintained backend services for a multi-role web platform, handling entity lifecycle management, access control, input validation, and data consistency using **Node.js, Express, and MongoDB**.
  - Engineered real-time communication workflows using **WebSockets (Socket.io)** and QR-based check-in systems, supporting **300–500 weekly active users** across **10+** live events.
  - Owned backend systems for a global **eSIM commerce platform** operating across **190+ countries**, managing plan catalogs, pricing logic, order processing, and fulfillment workflows.
  - Structured backend APIs and data models to support **multi-language content, multi-currency pricing, and region-specific configurations**, serving all localization dynamically from the backend.
  - Integrated **Stripe and PayPal** payment flows to securely process transactions and automate QR-based eSIM delivery via email and user dashboards.
  - Developed admin-facing backend functionality for authentication, order history, promotions, and support ticket management, enabling centralized control over **1,000+ plan variations and transactions**.
- **Medkart Pharmacy** July 2024 - Nov 2024  
Ahmedabad  
• *Jr. Fullstack Developer*
  - Introduced a caching layer for product search workflows, reducing average search latency by **60%** and minimizing redundant database queries.
  - Implemented bulk file-import pipelines for stock and batch updates, reducing audit mismatches by **20%** and saving **5+ operational hours per week**.
  - Developed a scalable reporting system with date-range filters and multi-store aggregation, reducing reporting time by **40%** for **50+ store managers**.
  - Automated background jobs and cron-based synchronization between **WMS and POS systems**, improving cross-system data consistency by **15%** and reducing manual reconciliation efforts.

## PROJECTS

- **AI Frontdesk (Python, LiveKit, WebRTC, Deepgram STT, OpenAI, ElevenLabs TTS):** Architected a real-time human-in-the-loop AI voice system using Python, LiveKit, WebRTC, and STT–LLM–TTS pipelines, enabling live conversations with supervisor escalation. ↗
- **ReachInbox (Nodejs, RAG, QdrantDB, Elasticsearch, Reactjs, OpenAI):** Implemented an AI email automation platform using Node.js, IMAP, OpenAI, and Qdrant, supporting semantic search and RAG-based response generation. ↗
- **CLI-RAG (Python, RAG, QdrantDB, Docker):** Designed a Python CLI application leveraging Retrieval-Augmented Generation (RAG) for document indexing and contextual semantic search, packaged with Docker. ↗
- **DropFile (Golang, React, BadgerDB, Nginx):** Engineered a distributed file-sharing service using Golang, React, and Nginx, applying concurrency and load balancing for efficient file transfers. (Team of 4) ↗
- **MakeMeme (AWS S3, Node.js, Express.js, PostgreSQL, NextJs, AWS-lambda):** Delivered a scalable Discord automation service using Node.js, AWS Lambda, PostgreSQL, and S3 to generate and serve context-aware memes. (Team of 5) ↗

## ACHIEVEMENTS

- Won Descope sponsor track in DeveloperWeek CloudX 2023 Hack. ↗
- Ranked top 0.25% among 4 lakh participants in Flipkart GRID 5.0. ↗
- Winner of Website Making Challenge 3.0 at University. ↗
- Solved 800+ problems on **Leetcode**. ↗