

Yagnesh Patel

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EDUCATION

- School of Engineering and Applied Science, Ahmedabad University** Ahmedabad, India
• *B.Tech in Computer Science & Engineering; GPA: 3.33/4.00* Oct 2020 - May 2024
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, Flutter, React.js, Laravel, FastAPI
- **Tools/Technologies:** Git, MongoDB, PostgreSQL, QdrantDB, MySQL, Redis, Docker, AWS, LangGraph, LangChain
- **Platforms:** Linux, Web, Windows, Arduino

EXPERIENCE

- **Sacesta Technologies** Nov 2024 - Present
 • *SDE* Ahmedabad
 - Built and maintained server-side logic and backend services for a multi-role web platform, implementing core workflows around entity lifecycles, access control, validation, and data consistency using Node.js, Express, and MongoDB.
 - Implemented real-time features using WebSockets (Socket.io) and backend flows for communication and QR-based check-ins, supporting 300–500 weekly active users across 10+ live events with a focus on performance and reliability.
 - Built and maintained backend workflows for a global eSIM commerce platform supporting 2 primary roles (admin, customer) and 190+ countries, handling plan management, country listings, pricing, and order lifecycles with a focus on data correctness and scalability.
 - Designed backend data models and APIs to support 10+ languages, multi-currency pricing, and region-specific plan configurations, with all localized content and metadata served dynamically from the backend.
 - Implemented secure purchase and fulfillment flows using Stripe and PayPal, processing hundreds of transactions, and automating QR-based eSIM delivery and installation instructions via email and user dashboards.
 - Built backend support for authentication, order history, and support ticketing, enabling admins to manage 1k+ plan variations, transactions, promotions, and support issues from a centralized dashboard.
- **Medkart Pharmacy** July 2024 - Nov 2024
 • *Jr. Fullstack Developer* Ahmedabad
 - Added a caching layer for product search, improving search latency by 60% and reducing redundant DB hits significantly.
 - Built a robust file-import module for stock and batch updates, reducing audit discrepancies by 20% and saving 5+ hours/week for the ops team.
 - Developed a scalable reporting system with date-range filters and multi-store aggregation, reducing reporting time by 40% for 50+ store managers.
 - Implemented background jobs and cron-based sync pipelines to create/update products and synchronize stores, store managers, and batch data from WMS to POS, improving cross-system data consistency by 15% and reducing manual reconciliation efforts by 10%.

PROJECTS

- **AI Frontdesk (Python, LiveKit, WebRTC, Deepgram STT, OpenAI, ElevenLabs TTS):** Built a real-time Human-in-the-Loop AI voice agent using LiveKit that handles live audio conversations, integrates STT-LLM-TTS pipelines, and supports seamless supervisor handoff via event-driven messaging. ↗
- **ReachInbox (Nodejs, RAG, QdrantDB, Elasticsearch, Reactjs, OpenAI):** Built an AI-driven email automation platform using IMAP, Node.js, OpenAI, and Qdrant, enabling semantic email search and RAG-based reply generation. ↗
- **CLI-RAG (Python, RAG, QdrantDB, Docker):** Built a Python-based CLI tool implementing Retrieval-Augmented Generation (RAG) for document search and context-aware AI responses. ↗
- **DropFile (Golang, React, BadgerDB, Nginx):** Developed a distributed file-sharing service allowing users to upload and share files efficiently. Implemented concurrency and multi-threading using Golang for optimized storage and retrieval, with load balancing via Nginx using a round-robin algorithm. (Team of 4) ↗
- **MakeMeme (AWS S3, Node.js, Express.js, PostgreSQL, NextJs, AWS-lambda):** Built a smart Discord bot that generates and shares relevant memes by integrating Python, the Discord API, and meme databases. Ensured smooth functionality and scalability. (Team of 5) ↗

ACHIEVEMENTS

- Won Descopre 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. ↗