Yagnesh Patel

 LinkedIn   yagneshjp1406@gmail.com   Github   +91-7016178175   LeetCode

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

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%.

Medkart Pharmacy Jan 2024 - July 2024
SDE Intern *Ahmedabad*
- Built a dynamic JSON-driven form engine that reduced manual configuration work by 25% across app workflows.
- Implemented order and home-delivery history retrieval features and added geofencing for store personnel using Google Maps APIs, improving operational accuracy and reducing location-related discrepancies by 10%.
- Developed a secure Windows desktop application in Flutter with UUID + license-key validation, ensuring 100% controlled access to Medkart's POS.
- Designed and implemented robust automated test suites using Cypress, improving test reliability and coverage.

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 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**.

VOLUNTEER EXPERIENCE

TIDE Foundation Ahmedabad, India
Creating booklets in different languages for underprivileged children in Adobe InDesign and Canva *May'21 - Jun'21*