

VISHRUT JHA

Phoenix, AZ

☎ (470) 753-0196 ✉ i@vishrutjha.com 🌐 vishrut.co **in** linkedin.com/in/vishrutjha 🐙 github.com/vishrutkmr7

EXPERIENCE

Prickly Pear Health Inc.

July 2024 – Present

Founding Engineer

Phoenix, AZ

- Launched a voice-first brain health iOS app for women in perimenopause from prototype to App Store: **5,000+ active users, 99.9% backend uptime, and 98% crash-free sessions.**
- Architected the iOS foundation in SwiftUI, Swift Concurrency, and SwiftData, including offline-first sync with idempotency/backoff, HealthKit trends in Swift Charts, and AVAudioEngine/SpeechAnalyzer voice capture with **sub-100ms cold start** and Bluetooth/AirPlay routing.
- Designed a privacy-preserving inference path with PgVector RAG, GPT-5.5, Gemini 3.1 Flash failover, and Foundation Models fallback; reduced p95 latency **from 1.8s to 280ms** and cut per-user LLM spend by **roughly 50%**.
- Provisioned HIPAA-compliant AWS (ECS, RDS, S3, Secrets Manager) with Terraform; used Sentry, MetricKit, and Mixpanel telemetry to ship three 2025 performance wins: **340ms faster cold start, 42% lower peak memory, and 28% better battery life.**

Dhan AI Pvt. Ltd.

June 2023 – May 2024

Software Development Engineer - I

Tempe, AZ (Remote)

- Migrated **50,000+ users** from SAP Gigya to Firebase Auth without downtime; added a kill-switch and custom auth state layer that cut **p95 sign-in time by 40%** with no data loss.
- Implemented event-driven sync between iOS and backend services using RabbitMQ, Celery, and Redis cache-aside, keeping **p95 under 200ms** during bursty load and eliminating **35%** of redundant work.
- Delivered a Next.js operations dashboard with interactive analytics and a JWT-claims inspector, cutting **on-call resolution time by 60%** and letting support manage 2FA/SSO state without engineering help.

Compliance Group Inc.

June 2019 – July 2021

Full-stack Developer

Hyderabad, India

- Modernized backend services for *FDAnalytics* and *iQuality*, moving high-volume workflows from Django REST to GraphQL in Python and gaining **20% throughput** by removing N+1 queries with batched resolvers.
- Led data categorization on a six-engineer team using Azure Cognitive Search, improving recall and p95 latency on multi-million-row corpora; owned PyTest/Jest/GitHub Actions CI and **halved deploy incidents** with required checks and canary rollouts.

AuthBase Inc.

September 2018 – May 2019

Software Engineer

Hyderabad, India

- Created *LiveShield*, an ELK-backed security analytics platform that scanned **10,000+ DLLs**, streamed socket.io alerts, and used Nessus/NMap plus NVD/CVE feeds to cut **analyst triage time by roughly 40%**.

EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering

August 2021 – May 2023

Master of Science in Computer Science, **GPA: 3.89**

Tempe, AZ

- Relevant Coursework: Distributed Systems / Data Processing at Scale, Software Security, Applied Cryptography, NLP.
- TA for FSE 100: Introduction to Engineering; helped students build with MATLAB, Python, Lego, and Raspberry Pi.
Fall 21 - Spring 22

Panjab University, University Institute of Engineering and Technology (UIET)

August 2014 – May 2018

Bachelor of Engineering in Computer Science and Engineering

Chandigarh, India

- Relevant Coursework: Computation and Automata Theory, AI and Expert Systems, and Data Structures and Algorithms.

SKILLS

iOS: Swift, SwiftUI, Swift Concurrency, SwiftData, Swift Testing, AVFoundation, SpeechAnalyzer, HealthKit, MetricKit, Swift Charts, Foundation Models, MLX Swift, WidgetKit

Architecture: MVVM, Coordinator, offline-first sync, dependency injection

Backend & Cloud: PostgreSQL with PgVector, Redis, AWS (ECS, RDS, S3), Terraform, Xcode Cloud, Bun/Hono, Python/Django

AI: RAG, multi-provider LLM orchestration (OpenAI, Anthropic, Google); built *TestFlight PM* (GitHub Action, App Store Connect API + multi-LLM); contributor to *EngineeringMode* (MetricKit, SwiftData) and *Programming Language Benchmarks* (Swift implementation)