

# Nityam Sharma

## Software Engineer

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LinkedIn   GitHub   LeetCode

### PROFESSIONAL EXPERIENCE

- Brackets Agency** Remote
  - Software Engineer Intern** October 2025 – Present

**Fleet Telematics:** Lead telemetry ingestion and streaming for a realtime vehicle telematics platform; built RabbitMQ data pipelines, Redis-backed live state and pub/sub, and WebSocket services delivering realtime GPS, engine, and event streams, with PostgreSQL telemetry storage via Prisma.

**Product Development:** Shipped Viben, an AI-powered wardrobe and outfit recommendation app live on the App Store; built the Flutter client and TypeScript backend end to end, designed a multi-stage AWS Lambda image-processing pipeline, integrated OpenAI for outfit scoring, and reduced feature response time from **15s to 3s** through profiling and async refactoring. Also delivered driver and manager apps for a fleet management platform serving one of India's largest logistics companies.
- Infosys** Mysore, India
  - iOS Intern** March 2026

**App Development:** Built a native iOS logistics app in Swift with SwiftUI and UIKit, digitizing dispatch, tracking, and warehouse workflows; delivered features across two-week sprints using Jira, backlog grooming, and daily standups.
- Indian Institute of Technology, Hyderabad** Hyderabad, India
  - Research Intern** June 2025 – August 2025

**Parallel Computing:** Implemented a parallel Brandes betweenness centrality algorithm in C++ using pthreads with mutex-protected result aggregation, achieving a **5.54×** speedup with 16 threads and cutting computation time by **81.9%** on 10,000-vertex graphs.
- HeyDoc AI** Remote
  - Software Engineer Intern** January 2025 – April 2025

**AI Integration:** Led Genkit and Vertex AI integration across the mobile product and migrated ABHA health ID integration from v2 to v3; built Firestore query and data flow layers handling user input and AI-generated output.

### ACHIEVEMENTS

- Winner - Bajaj Finserv Hackathon (2025):** Led a team to build FitSync, an AI-powered fitness platform using MediaPipe Pose for realtime motion tracking and form correction; selected as the winning submission from **200+ teams**.

### PROJECTS

- FraudLake - Fraud Detection Pipeline** | *PySpark, PostgreSQL, LightGBM, XGBoost, MLflow* | [GitHub](#) 2026

Built a fraud detection pipeline processing **1.1M transactions** using PySpark ingestion, PostgreSQL feature marts, and time-aware cross-validation; engineered velocity, behavioral, and historical features and evaluated multiple tree-based models.

Designed leakage-resistant expanding-window validation with a one-day gap, revealing a **0.2005 PR-AUC optimism gap** from random K-fold validation; achieved **0.5866 holdout PR-AUC** and **0.900 precision at 1% FPR**.
- Rewind - iOS Wellness & Journaling App** | *SwiftUI, UIKit, Supabase* | [App Store](#) 2026

Built and shipped a wellness and journaling application with voice/text journaling, emotion tagging, breathing exercises, an anonymous community feed, and an adaptive virtual companion; implemented in SwiftUI/UIKit with MVVM + Combine, Supabase auth/storage, and a custom WebSocket relay for realtime voice sessions.

### CERTIFICATIONS

- AWS Certified Developer - Associate (DVA-C02)** Amazon Web Services (AWS)
  - Credential** Apr 2026

### EDUCATION

- SRM Institute of Science & Technology** Chennai, India
  - Bachelor of Technology in Computer Science & Engineering w/s Software Engineering** 2023 – 2027

**Academic Performance:** CGPA: 8.98/10.00

### TECHNICAL SKILLS

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| Languages  | Dart, TypeScript, Python, C++, Swift                                                     |
| Mobile     | Flutter, SwiftUI, UIKit                                                                  |
| Backend    | Node.js, Express, REST APIs, WebSockets, RabbitMQ, Redis, PostgreSQL, Firebase, Supabase |
| Cloud & ML | AWS, AWS Lambda, Docker, PySpark, LightGBM, XGBoost, CatBoost, MLflow                    |
| Tools      | Git, GitHub, Postman                                                                     |