

Shivam Kumar

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Summary

Android Developer with a 9.21 GPA and hands-on experience building production-grade AI-powered apps using Kotlin, MVVM, Firebase, and Google Cloud. Winner of the Puduvai Innovation Competition 2026 (Top 70/250+ teams, Ministry of Education). Incoming intern at SVNIT Surat / OneBill AI CoE. Focused on offline-first architecture, clean code, and real-world impact.

Work Experience

Incoming Intern — SVNIT Surat / OneBill (Offer Selected, One to Join) 2026

Selected for Summer Internship at **Dept. of CSE, SVNIT Surat** (May–Jul 2026) and **OneBill AI Centre of Excellence, PTU** (Jun 2026); will join one organization for AI/Android development work.

Internshala Student Partner 2023

- Strengthened campus outreach, increasing program visibility by **35%** through targeted digital campaigns and insight-driven strategy.
- Enhanced leadership, communication, and execution while coordinating events for **200+ students**.

Projects

VoxAnalyzer — AI Powered Voice Emotion Analyzer Github

- Built a full-stack AI-powered Android application for voice-based emotion analysis with secure cloud deployment on Google Cloud Run.
- Integrated OpenAI Whisper for speech-to-text and a Transformer-based model for segment-level emotion detection.
- Designed interactive emotion visualizations including confidence-over-time line charts and overall distribution pie charts.
- Implemented structured JSON API handling with offline persistence using Room Database and clean MVVM architecture.

NightLibrary — Secure Media Vault & Manager (Android) GitHub

- Developed a privacy-focused Android application to securely store, manage, and organize sensitive media (photos, videos, documents) with seamless user experience.
- Implemented advanced media handling pipelines including import, download, and camera capture with real-time thumbnail generation and categorized rendering.
- Designed an **offline-first architecture** using Room Database with MVVM and background workers (WorkManager) for reliable media processing and persistence.
- Built a scalable modular system handling encryption-ready storage, file sharing via FileProvider, and optimized caching strategies to ensure performance under storage constraints.

GeoFence Tracker — Child Safety & Location Monitoring App (Android) GitHub

- Developed an Android application enabling users to create geofences, detect entry/exit events, and calculate time spent within locations.
- Implemented reliable **background location tracking** (Android 10+) using Google Maps SDK, Geofencing API, and Room Database.
- Designed persistent geofence storage and visit history tracking that survives app restarts and background execution constraints.

Full Screen Timer App (Android) GitHub

- Built a distraction-free timer app with persistent sessions using Firebase Auth and DataStore.
- Reduced background battery usage by **25%** through lifecycle-aware wake-lock and resource handling.
- Implemented clean MVVM architecture with Material 3 UI and robust state management.

Education

2023–2027	B.Tech Mechatronics, Pondicherry Technological University	CGPA: 9.21/10
2022	Class 12 (Bihar Board), +2 High School Telmar, Nalanda	84.6%
2020	Class 10 (CBSE), JNV Rajgir, Nalanda	89.6%

Skills

Android	Kotlin, Java, MVVM, Coroutines, Hilt, Room, LiveData, Material 3
Backend	Firebase (Auth, Firestore, Storage), Retrofit, REST APIs, Offline Sync
Tools	Android Studio, Git, GitHub Actions, Postman, Figma, MATLAB
Languages	Kotlin, Java, Python, C++, C
Software	Unit Testing (JUnit, Espresso), CI/CD Basics, Version Control, Debugging
Embedded	Arduino, Ultrasonic Sensors, IoT Protocols, Serial Communication
Competitive Programming	CodeChef Profile Link — LeetCode Profile Link

Achievements & Competitions

- **Winner — Puduvai Innovation Competition 2026** (Ministry of Education & Govt. of Puducherry): Ranked in **Top 70 out of 250+ teams** nationally; awarded **Rs. 10,000 Prototype Grant** for project “Technology Designed For Real World Adoption” at Grand Finale, PTU Auditorium.
- **Harihara Subramanian Scholar** — Top Merit Award (2023–27), Pondicherry Technological University.
- **Fortunate.40 National Scholar** (2020–22).

Leadership & Volunteering

- Led the freshman orientation team for **200+ students**, achieving **95% positive feedback**.
- Volunteered in campus tech activities, supporting peers in app development, GitHub setup, and Tech Meet.