

IKSHU PATNI

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EDUCATION

Vellore Institute of Technology
Bachelor of Technology, Computer Science Engineering

Bhopal, India
2022 – 2026

TECHNICAL SKILLS

Languages: Java, Kotlin, XML
Concepts: OOPs, Computer Science Fundamentals, Coroutines and Flows, Jetpack Compose
Platforms: Android Studio, Git, Firebase, Room Database
Soft Skills: Rapport Building, People Management, Excellent Communication

WORK EXPERIENCE

Technical Team Co-Lead | E-Cell, VIT Bhopal Jan 2024 – Aug 2025

- Led development and maintenance of 5+ web and mobile solutions for club operations and event management.
- Built a scanner app to automate event registration, reducing check-in time during major events.
- Collaborated with 4+ cross-functional teams to deliver tech-driven solutions aligned with organizational goals.

PROJECTS

HALO | Mental Health Tracker App | [LINK](#)

Tech Stack: Kotlin, XML, Firebase, MVVM, Coroutines, LiveData, MPAndroidChart, Gemini LLM

- Spearheaded development of Mental Health Tracker Android app using Kotlin and XML, implementing dual Firebase database architecture with 100% offline functionality
- Built MVVM architecture using Coroutines and LiveData
- Added analytics dashboard using MPAndroidChart for actionable insights.
- Integrated AI summaries using Gemini LLM for reflections and mental health strategies.

SEVAH | All-in-One Healthcare App | [LINK](#)

Tech Stack: Kotlin, XML, Firebase, Google Maps API , Gemini LLM

- Developed a healthcare Android app enhancing access to nearby hospitals and emergency services.
- Integrated Google Maps API to show hospitals within 5 km for emergencies.
- Built SOS feature with live GPS SMS and auto-calling emergency contacts.
- Added AI assistant for medical Q&A and skin condition detection.

Scrollana | Digital Wellness App | [LINK](#)

Tech Stack: Kotlin, Android SDK, Jetpack Compose

- Built a wellness app tracking scroll distance using real-world relatable metrics.
- Designed in-app nudges reducing uninterrupted scrolling by 35% in testing.
- Promoted mindful usage over app blocking with positive user feedback.

EXTRACURRICULAR ACTIVITIES

- Smart India Hackathon 2024 – Internal Round Qualifier | KrishiNidan – AI for Agriculture & Livestock**
Internal round qualifier for KrishiNidan, an AI-powered platform for diagnosing crop and livestock diseases.
- Summer of Codefest 2025 | GSoC Club |**
Secured 2nd place among 100 teams; delivered a functional prototype in a 2-day hackathon.