

# 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

**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*

- 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.

**SEVAH | All-in-One Healthcare App | LINK**

*Tech Stack: Kotlin, XML, Firebase, Google Maps API*

- 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.

**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.