

# IKSHU PATNI

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## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology;

### ODM Public School

12<sup>th</sup> Standard; Percentage: 90%

### Stewart School

10<sup>th</sup> Standard; Percentage: 94%

Bhopal, India

August 2022 - Present

Odisha, India

July 2020 - June 2022

Odisha, India

July 2020

## SKILLS SUMMARY

- **Languages:** Kotlin, JAVA, XML, Python, HTML, CSS,
- **Frameworks:** Android SDK, Jetpack Compose, Dagger-Hilt, Coroutines
- **Tools:** Firebase, Room database, Excel, PowerPoint, Google
- **Platforms:** Android Studio, Visual Studio Code, IntelliJ IDEA
- **Soft Skills:** Rapport Building, People Management, Excellent communication

## WORK EXPERIENCE

### TECHNICAL TEAM CO-LEAD | E-Cell VIT Bhopal | [LINK](#)

January 24- Present

- Led the development and maintenance of 5+ web and mobile-based solutions to streamline club operations and event management, improving user engagement and experience
- Automated manual registration and entry processes using a custom-built scanner app, reducing check-in time by 40% during major events.
- Collaborated with 4+ cross-functional teams including design, content, and logistics to deliver tech-driven solutions aligned with organizational goals.
- Spearheaded a mentorship for junior developers, resulting in a 50% faster onboarding time and improved code quality as demonstrated by a 30% reduction in bugs reported.

## PROJECTS

### Attenda |QR Based Encrypted Scanner App | [LINK](#)

- Developed and deployed a secure QR scanner app using Android Native (Kotlin) and Jetpack Compose, enabling encrypted entry validation for registered event attendees.
- Integrated ZXing library for efficient QR code scanning and implemented AES encryption to ensure secure data handling and prevent unauthorized access.
- Streamlined the event check-in process, reducing manual verification time by 40% and achieving 100% match accuracy for scanned entries.
- Integrated MongoDB Realtime Database for real-time participant validation and attendance tracking.

### Basic Calculator App | [LINK](#)

- Designed and engineered a user-friendly basic calculator app using supporting core arithmetic operations with a clean and intuitive UI.
- Achieved 100% functional accuracy across all operations by implementing efficient input validation and real-time computation logic.
- Optimized app performance by minimizing UI lag and ensuring smooth transitions across different screen sizes and devices.
- Utilized modular coding practices to enhance maintainability and scalability for future feature additions like history tracking or advanced functions.

## CERTIFICATES

### Smart India Hackathon (SIH) 2024 – Internal Round Qualifier | KrishiNidan – AI for Agriculture & Livestock

- Secured selection in the internal rounds of SIH 2024 with Team Pratyaksha, presenting KrishiNidan — an AI-powered mobile and web platform for diagnosing crop and livestock diseases.
- Engineered a robust solution tailored for the Ministry of Fisheries, Animal Husbandry, and Dairying, integrating image-based, text-based, and SMS-based diagnostic tools to ensure accessibility for all farmers.

### Health-o-Tech Hackathon – 3rd Place Winner | Health Data Analytics Challenge

- Achieved 3rd place in a high-intensity 3-hour hackathon focused on developing data-driven solutions for healthcare challenges, competing against top-tier teams.
- Designed and implemented a health analytics solution by leveraging data science techniques to extract actionable insights from complex datasets.