

RAVI PRAKASH

✉ theraviprakash17@gmail.com | 📞 7280972269 | in
<https://www.linkedin.com/in/ravi-prakash-9122751b7/>

EDUCATION

International Institute of Information Technology(SPPU) Pune, Maharashtra
Electronics and telecommunication (B.E) 2024
• SGPA: 8.54

EXPERIENCE

Dhoot Transmission Private LTD March2023-May2023
Intern Pune, Maharashtra
• Worked as an application developer
• Developed a BLE Scanner application that facilitated seamless communication with BLE devices, ensuring efficient and reliable data exchange.
• Involved honing my skills in mobile app development and gaining valuable experience with Bluetooth Low Energy technology.

SKILLS

Technical C++, Java, Dart, Flutter, DSA(Basic), DBMS

Laboratory GIS(Geographic Information System), ESP32, Embedded System, IoT

Interests Research, Sports, Movies

PROJECTS

Realtime Pothole Detection and GIS Integration | <https://github.com/23ravip07/Real-time-pothole-detection-and-GIS-integration> 2023

- Designed and implemented an ESP32-based system to detect potholes and speed bumps using ultrasonic sensors and GPS modules, with real-time data logging to Google Sheets via Wi-Fi.
- Created a robust algorithm to accurately identify road irregularities, leveraging GPS data for precise location tracking and ultrasonic sensors for distance measurement, ensuring reliable performance in varied conditions.
- Successfully integrated the project with Google Sheets API, enabling automatic and continuous data updates, facilitating easy access and analysis of collected data for infrastructure maintenance planning.

Vegescan 2024

- Analyzed the Satellite data for Pune to study land cover changes and urbanization patterns.
- Applied geoinformatics methodologies and created analytical models.
- Utilized advanced classifiers like Random Forest, Maximum Likelihood and SVM for accurate land cover classification.

CERTIFICATION & AWARDS

1. Design thinking and innovation
2. Tom Tom certification
3. Participated in SIH Hackathon and IITB Mapathon