

LOKESH PANERU

B.Tech CSE (IoT & Data Science) | Internship Resume

Phone: +919719893725 | Email: lokeshpaneru20508@gmail.com | LinkedIn: <https://linkedin.com/in/lokpan>

GitHub: <https://github.com/Techy-Play> | Portfolio: <https://lokeshpaneru.vercel.app>

Third-year B.Tech CSE (IoT & Data Science) student with experience in full-stack web development, AWS cloud computing, Linux administration, IoT systems, and Python programming. Built multiple IoT and web-based projects and actively participates in hackathons and technical competitions.

EDUCATION

Amrapali University (2024–2028)

B.Tech Computer Science & Engineering (IoT & Data Science)

CGPA: 8.53/10 | Honors: 50% Scholarship Recipient

TECHNICAL SKILLS

- **Programming:** Python, C, C++, Java, JavaScript, SQL
- **Web Development:** HTML, CSS, React.js, Next.js, TypeScript, Tailwind CSS, Bootstrap
- **Cloud & Tools:** AWS, Git(Version control), GitHub, Linux OS
- **IoT & Hardware:** ESP32, Arduino, Raspberry Pi 5
- **Databases:** Oracle SQL, MYSQL, MongoDB

EXPERIENCE & LEADERSHIP

Frontend Developer Intern | Prajna AI (September 2025 - February 2026)

- Developed responsive web interfaces and significantly improved overall UX and UI usability.
- Collaborated on projects using React.js, Next.js, Tailwind CSS while following modern frontend development practices.

PROJECTS

Smart Cleaning Bot – AtomQuest 2025

- Built a semi-autonomous waste collection robot with obstacle avoidance using an ESP32 microcontroller.
- Implemented sensor-based navigation and automation mechanisms to improve waste collection efficiency.

Railway Platform Security System

- Developed an ESP32-based railway platform safety system integrating ultrasonic sensors and servo motors for obstacle detection.
- Designed automated safety mechanisms to reduce the risk of platform-side accidents.

Acadex – Student Academic Platform

- Designed and developed a student-focused academic platform using Next.js to centralize academic resources, updates, and productivity tools.
- Built a responsive and user-friendly interface with emphasis on accessibility, smooth navigation, and real-world deployment practices.
- Deployed and maintained the platform using Vercel, gaining practical experience in modern web development and scalable application architecture.

IoT Home Automation System

- Designed a Wi-Fi-enabled automation system using ESP32 and Sinric Pro.
- Enabled remote appliance control through mobile and voice interfaces.

AWS Website Deployment & Web Development

- Deployed static web applications on AWS infrastructure using EC2 instances and related cloud computing services.
- Designed and developed responsive, modern portfolio websites ensuring cross-device compatibility.

ACHIEVEMENTS

First Runner-Up, AtomQuest 2025 National Robotics Competition, Pune (Atomberg Technologies)

Developed the Smart Cleaning Bot as part of Team Techie Devs and secured First Runner-Up position, winning a cash prize of ₹60,000.

First Prize Winner – Railway Platform Security System

Developed an ESP32-based railway platform safety solution that secured 1st position and earned a 50% merit scholarship to Amrapali University.