

Alankar Sharma

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EXPERIENCE

Photographer

December 2024 – Present

Freelance / RSH Photography / Tunu Digital Studio / Self-Employed

- As a Photographer, I specialized in capturing high-quality images for events, portraits, and product shoots.

Hardware Developer

November 2023 - July 2024

RS SmartHut Keep Smart Be Smart

- As a Hardware Developer at RS SmartHut, I was responsible for designing, developing, and testing embedded hardware systems for smart home automation products. My work included circuit design, PCB layout, component selection, and integrating sensors and microcontrollers (such as Arduino/ESP32).

Hardware intern

August 2023 - October 2023

RS SmartHut Keep Smart Be Smart

- As a Hardware Intern at RS SmartHut, I assisted in assembling, testing, and troubleshooting electronic hardware components. My responsibilities included supporting circuit design reviews, performing diagnostics using tools like multimeters and oscilloscopes, and maintaining hardware documentation.

EDUCATION

Bachelor of Computer Applications

August 2022 - May 2025

Institute of Technology and Management (ITM University), Gwalior.

High School (10th) & Higher Secondary (12th)

High Secondary School (12th) 2021 - 2022

Higher School (10th) 2020 - 2021

Arun Higher Secondary School

PROJECTS

• Smart Switch IOT Project:

Designed and implemented a smart switch system using IOT technology to remotely control appliances via a mobile app. Integrated Raspberry Pi and Arduino to enable real-time monitoring and control over Wi-Fi networks.

• Wi-Fi Phishing:

Developed a Wi-Fi phishing system to simulate real-world cyber-attack scenarios for educational purposes, emphasizing the importance of cybersecurity awareness and prevention measures.

• Live Website Development:

Contributed to the development and maintenance of a live website, enhancing its functionality and user experience. Worked with technologies like React, PHP, and SQL for seamless front-end and back-end integration.

SKILLS

- Expertise in designing and creating IoT devices, integrating hardware and software for seamless functionality.
- Proficient in developing software solutions using AI technologies to enhance system capabilities.
- Skilled in designing circuits and transforming them into fully functional PCBs.
- Successfully developed various hardware devices that are easily controlled through IoT and software interfaces.
- Ability to seamlessly manage and integrate tasks across hardware, software, IoT, and circuit design, ensuring efficient and cohesive project execution.

- Moderate Knowledge of C, C++, Java, PHP, Python, HTML, CSS.

LANGUAGES

| | |
|------------|-----|
| HTML | 80% |
| CSS | 70% |
| JavaScript | 50% |
| C / C++ | 50% |
| PHP | 50% |
| Python | 60% |
| React | 50% |

TOOLS

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|------------------------------|-----|
| Visual Studio Code (VS Code) | 80% |
| Kali Linux | 60% |
| Arduino | 70% |
| ESP32 | 50% |
| Raspberry Pi | 60% |
| Arduino IDE / PlatformIO | 70% |
| Arduino Droid | 80% |