

Ankur Verma

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<https://github.com/devankurVerma/portfolio>

SKILLS SUMMARY

Java Backend Development:

Programming Languages: Java, Frameworks: Spring Boot, Database: SQL, Backend Services: Firebase,

IoT and Embedded Development:

Programming Languages: C/C++(Basic), Python(Basic). Boards and Platforms: Arduino, Raspberry Pi, STM32, Silicon Labs Boards.

Technologies: MQTT, LORA, Wi-SUN, SDR, Node-RED. Tools: VS Code, Android Studio, Tinkercad, Figma.

Operating Systems: Linux, Windows.

Soft Skills: Leadership, Management, Public Speaking, Graphic Designing.

EDUCATION

Madhav Institute Of Technology And Science,
Bachelor of Technology - Internet Of Things; CGPA: 8.1

Gwalior, M.P., India
(Oct 2021 - June 2025)

Sanskar Public School,
Class XII: 88%
Courses: Physics, Chemistry, Mathematics

Shivpuri, M.P., India
(April 2020 - June 2021)

St. Paul's School,
Higher Secondary School: 93.3%

Gwalior, M.P., India
(April 2018 - June 2019)

PROJECTS

Java Backend Development:

Women Safety System using JAVA, Firebase : Combined an Android app (Java) with Firebase for real-time communication. Utilised IoT hardware with sensors to detect emergencies, designed as a pendant for quick response.

Plant Disease Identification using Image Processing (Machine Learning Application): Employed TensorFlow and image processing for plant disease identification. Future plans include integrating drone technology for enhanced monitoring.

IoT and Embedded Development:

Honda Project: Developed a LoRa, Spring Boot, and beacon-based system for car tracking to prevent theft and loss during service.

Smart Agriculture Irrigation Device: Developed an IoT device for agricultural irrigation with ARM boards and Spring Boot.

Prosthetic Arm: Integrated myoelectric sensors and EMG technology for precise control and real-time feedback, enhancing functionality for natural movement.

Arduino Kit: Developed an IoT trainer kit for students to learn sensor technology.

Airplane Tracking with RTL-SDR and SDRAngel: Tracked aeroplanes and ATC communication using RTL-SDR and SDRAngel

Satellite Tracking: Tracked satellites using RTL-SDR and SDRAngel (Software Defined Radio Application).

INTERNSHIP EXPERIENCE

Uniconverge Technologies Pvt. Ltd., Noida, U.P., India

Worked on IoT and SDR projects, gaining practical experience in the application of these technologies

Intern
(May 2024 - July 2024)

TRAINING AND ACHIEVEMENTS

Power Generation Training: National Power Training Institute, Shivpuri

(Nov 2023)

Learned IoT integration for SCADA and smart metres.

National Agro Hackathon: LNCT, Bhopal

(June 2022)

Developed an application for crop disease identification using image processing.

Gwalior Global E Summit and Gwalior Startup Meet

(Nov 2022, Jan 2023)

Gained Knowledge about Startups and Entrepreneurship and Gained some valuable connections, Pitched ideas .

VOLUNTEER EXPERIENCE

Overall Student Coordinator Centre for Internet of Things, MITS

(Jan 2024 - Present)

Led the development of hardware kits and fostered innovation in IoT.

Overall Coordinator Start-Up Cell, MITS

(2022 - Present)

Led a team of 40 members to nurture an entrepreneurial environment.