

Swayam Patwa

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WORK EXPERIENCE

- **Smart India Hackathon 2024 (Grand Finalist & Team Leader)** – Led a team to the grand finale, developing an innovative solution using cutting-edge technologies. **Dec 2024**
- **Kriyeta 3.0 Hackathon** (Acropolis, Indore) – **Smart Classroom Management** – Built a system to optimize classroom operations and enhance learning efficiency. **july 2024**
- **HackWave Hackathon** (Chameli Devi Group of Institutions) – **Smart Education** – Developed a tech-driven education solution to improve learning experiences. **mar 2024**
- **Genathon (GGCT) – Smart Education with AR/VR** – Designed an AR/VR-based education system for immersive and interactive learning. **Dec 2024**

Projects

- I developed a project **integrating vocational training into Indian schools per NEP 2020 guidelines**. It features **VR training** modules, AI career guidance, digital skill badges, mobile labs for remote areas, and **industry partnerships**. This initiative bridges the education-employment gap, preparing students for diverse careers while supporting India's economic development. **Dec 2024**
- I developed an **IoT clap-activated lighting system** using a **sound sensor** (microphone module) to detect clapping patterns. The project implements **Arduino microcontroller** programming to process audio signals and trigger a relay module that controls bulb operation. This hands-free solution demonstrates practical application of sound recognition technology in smart home automation systems. **oct 2024**

EDUCATION

- **B.Tech in Computer Science (Ongoing)** **2022-till now**
Gyan Ganga College of Technology, Jabalpur : Cumulative **CGPA 7.99/10**
- **Senior Secondary (Class 12)** **2020-2021**
Sri Raghukul Vidya Peeth, Gonda : Percentage: 60%
- **Secondary (Class 10)** **2018-2019**
Sri Raghukul Vidya Peeth, Gonda : Percentage: 60%

SKILLS

Technical Skills

- **Programming Languages: Python, C++**
- **Networking: CCNA (Cisco Certified Network Associate)**
- **IoT: Arduino, Sensor Integration**
- **Web Development: MERN Stack (Beginner), WordPress**
- **Design & Content Creation: Canva**

Soft Skills

- **Strong Communication Skills**
- **Teamwork & Collaboration**
- **Active Listening**
- **Problem-Solving & Critical Thinking**

CERTIFICATION

Google AI/ML Certified,**Cisco** NetAcad Certified,**Juniper** Certified, **Alibaba** WordPress Developer Certified