Priyansh Tiwari

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EDUCATION

Gyan Ganga College of Technology Jabalpur, MP
B.Tech in Electronics and Communication Engineering *2022 – 2026*

Vivekanand International Public School Jabalpur, MP
12th Grade *2020 – 2022*

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, JavaScript, HTML, CSS, Embedded C
- **Web Development:** React.js, Node.js, Express.js
- **Libraries & Data Tools:** Pandas, NumPy, OpenCV
- **Tools & Platforms:** MySQL, Git, GitHub, Arduino, Figma, IBM Watson, Excel, Word, PowerPoint
- **Hardware & IoT:** ESP32, ESP8266, GPS, GSM Modules, Sensors
- **Soft Skills:** Effective Communication, Team Collaboration, Problem Solving

PROJECTS

Smart Human Life Safety and Alert System for Vehicle Accident Victims Apr 2025 – May 2025
  - Built a microcontroller-based accident detection system using Arduino, GPS, GSM, and various sensors.
  - Implemented LCD and button interface for user response to minimize false alarms.
  - Enabled real-time location tracking and emergency SMS alerts to predefined contacts.

Clinic-GO | *AI, QR Token System, FastAPI, IBM Watson Assistant* Apr 2025 – May 2025
  - Participated in IBM Granite Hackathon; developed a QR-based hospital token system to streamline patient flow.
  - Built backend APIs using Python and FastAPI for real-time queue and appointment handling.
  - Integrated IBM Watson Assistant to automate patient guidance and improve user experience.

Resumeo | *HTML, CSS, React, JavaScript* Jan 2025 – Feb 2025
  - Developed a responsive resume builder application with live preview and downloadable PDF export.
  - Engineered the front-end in React with a clean, user-friendly interface and modular components.

EXPERIENCE

Clinic-GO Smart Clinic Flow Management System Apr 2025 – May 2025
Participant, IBM Granite Hackathon 2025
  - Participated in IBM Granite Hackathon; developed a QR-based patient token system using Python and FastAPI.
  - Integrated IBM Watson Assistant for automated appointment booking and FAQ support.
  - Created a demo video showcasing complete user interaction and patient flow management system.

National Groundwater Conditions Web App Aug 2024
Team Member, Smart India Hackathon 2024
  - Built a chatbot to deliver real-time groundwater data for Indian cities using custom APIs.
  - Designed a responsive front-end using HTML, CSS, and JavaScript for intuitive user experience.

CERTIFICATES

- **Certificate of Merit** – Secured 1st position in 2nd year (2023–2024).
- **CCNA 1: Introduction to Networks** – Cisco Networking Academy: Covered networking basics, IP addressing, router/switch configuration.
- **Programming in C++** – Certified by Cisco: Mastered fundamentals of C++ programming.
- **Programming in Python** – Learned core Python concepts including data types, control structures, functions, and file handling.
- **Programming in JavaScript** – Cisco Networking Academy: Gained hands-on experience in DOM manipulation, functions, and asynchronous operations.