

KHUSHI SONI

 khus830shi@gmail.com

 Khushisoni830

 khushi-soni-405884280

 Portfolio

EDUCATION

Sagar Institute of Science and Technology (SISTec), Gandhi Nagar, Bhopal, M.P

Bachelor of Technology (B.Tech) in Electronics and Communication Engineering

2022 – 2026

Sarojini Naidu Girls H.S School, Shivaji Nagar, Bhopal, M.P

Class XII | M.P Board

2021 – 2022

Pragya H.S. School, Bhopal, M.P

Class X | M.P Board

2019 – 2020

SKILLS

- **Programming & Scripting:** Python, JavaScript
- **Library:** NumPy, Pandas, Matplotlib
- **Database & Cloud:** MySQL, AWS
- **Development:** HTML5, CSS, OOP (Object-Oriented Programming)
- **Other Tools:** GitHub, Docker, Kubernetes, Virtual Box(Oracal)
- **Soft Skills:** Effective Communication, Teamwork and collaboration

WORK EXPERIENCE

Indian Institute of Technology (IIT) Roorkee

Web Development Intern – Virtual Labs Project (Electronic Measurements & Instrumentation)

March 2024 – June 2024

- Developed and optimized **frontend interfaces** for the Electronic Measurements & Instrumentation Virtual Lab, improving usability and accessibility for remote learners.
- Collaborated with the simulation development team to design and implement **interactive experiment modules**, integrating measurement parameters and virtual instruments.
- Contributed to **research-based content creation** for lab experiments, ensuring accuracy and alignment with academic requirements.
- Applied **responsive design principles** for seamless performance across desktops, tablets, and mobile devices.
- **Tools & Technologies:** HTML, CSS, JavaScript, Bootstrap.

PROJECTS

Nova – The Offline Voice AI Assistant – (VC-02 Voice Recognition Module, Firmware using AI Thinker, Voice Assistant)

- Developed a fully offline AI assistant that functions without the internet, ensuring privacy and accessibility anytime.
- Supports voice commands for running applications, retrieving stored information, and automating desktop tasks.
- Optimized for fast, local processing with minimal resource usage.

FRIDAY – The Desktop AI Assistant – (Python, NLP, Speech Recognition, Task Automation)

- Created a personal AI assistant that feels more like a helpful teammate than a tool, capable of understanding natural speech and performing tasks on command.
- Helps with everything from opening apps and searching the web to fetching real-time updates, and controlling smart devices.
- Designed with a modular structure so that it can easily learn new skills over time.

ACHIEVEMENTS

- Semi-finalist, India Inventor Challenge G20.
- Semi-finalist in Kriyeta 3.0, a 48-hour hackathon held at Acropolis Institute of Technology, Indore, M.P.
- Second runner-up in the state-level Idea Presentation Competition at Sagar Business School.

EXTRA – CURRICULAR ACTIVITY

- Editorial committee member of the Electropulse Club
- Anchored in the national-level competition Sagar Sahitya.