



# RAKESH KUMAR SAHANI

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## OBJECTIVE

As a recent Electronics and Communications Engineering graduate with coding expertise, I have developed a deep passion for education and a strong desire to inspire and empower students. During my university days, I proactively engaged in teaching by providing assistance and guidance to my peers, further fueling my commitment to sharing knowledge and facilitating learning.

By combining my enthusiasm for teaching and my experience in mentoring others, I aim to channel my passion for teaching, leverage my ability to connect with students, and contribute to a dynamic learning environment.

Further, I am eager to contribute to the university's academic environment, assist in facilitating student learning, and support the growth and development of future leaders while furthering my own professional growth in the field of education.



## EDUCATION

**BE in Electronics & Communication | Nepal College of Information Technology**  
**Balkumari, Lalitpur**

2017 – 2022

CGPA: 3.50

**Intermediate (+2) | Shree Higher Secondary School**

**Rautahat**

2014 – 2016

Percentage: 72.10 %

**S.L.C | Shree Ma Vi Gedahi Guthi**

**Rautahat**

2004 – 2014

Percentage: 66.10 %



## PROJECTS

**GAS DETECTOR & BREATHALYZER | NCIT Expo on Technology (NEXT)**

JULY 2019

**Project Objective:** Automatically detect gases and smokes and notify users for the same.

**Applications:** gas detection, breathalyzer etc.

## **Home Automation System | Mid Term Project**

2021

**Project Objective:** Automate the daily usable electronic devices as per the convenience of users

**Applications:** fan control, light control, water pump control, door control etc.

## **Medicine Serving Robot | Final Year Project**

2022

**Project Objective:** Automatic contact-less transportation of Medicinal supplies in hospitals using Arduino.

**Applications:** Automatic Transportation of Medicinal supplies, Food and Water to patients to their beds

## **News Website | Project Frontend Developer/UI Designer**

2022

**Project Objective:** Demo website for news.

**Applications:** News Website.

<https://newswebuipractice.netlify.app/>

## **Travel Website | Final Project Frontend Developer/UI Designer**

2023

**Project Objective:** Develop a responsive website related to Travel for a travel company.

**Applications:** Booking for packages, tickets, foods etc.

<https://ttraveland.netlify.app/>



## **TRAINING/CERTIFICATIONS**

### **ROBOTICS Training | NCIT College**

APRIL 2022 – JUNE 2022

- Work on hands-on projects that involve building and programming robots using robotics kits or platforms.
- Design Circuits, incorporate various sensors, design robot movements, regulate the behavior and movement of robots and finally assemble and test the hardware components.

### **Frontend Developer/UI Designer | Broadway Infosys Pvt Ltd**

DEC 2022 – FEB 2023

- Create Websites related to E-commerce, Banking, Health, Education, Online News etc using various programming languages and software tools.
- Use HTML, CSS, JavaScript, jQuery and various other web designing concepts to develop a responsive design.



## ACHIEVEMENTS

- **Best Hardware Implementation | NCIT Expo on Technology (NEXT)**  
JULY 2019  
Project Name: GAS DETECTOR & BREATHALYZER
- **Teaching | Intermediate Level**  
Best Teacher Award for using short-tricks



## SKILLS

- Strong Communication Skills
- Patience and Empathy
- Staying Updated with recent trends
- Expertise in various programming languages
- (Html/Css/Python/C)
- Subject Matter Expertise
- Strong problem-solving and analytical skills
- Ability to work collaboratively as part of a team



## LANGUAGE

- English
- Hindi
- Maithali/Bhojpuri
- Nepali