

# SOURAV RAI

## BIOMEDICAL ENGINEER

Dhobighat, Lalitpur

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### CAREER OBJECTIVE

To be able to work and grow professionally as Biomedical Engineer in a stable organization where I could demonstrate my expertise in Biomedical products. My endeavor and dedication in the job will be helpful in achieving the company's goal and objective.

### ACADEMIC QUALIFICATION

College of Biomedical Engineering and Applied Sciences, Handigaun, Kathmandu — *Bachelor in Biomedical Engineering*  
2016 - 2021

Hetauda School of Management H.S. School, Hetauda, Makwanpur — *Higher Secondary Education Board (HSEB)*  
27 January, 2014 - 4 September, 2015  
Percentage: 77%  
Major : Science

Solidarity International Academy, Hetauda, Makwanpur — *School Leaving Certificate (SLC)*  
11 June, 2013  
Percentage : 77%

### ACADEMIC EXPERIENCE

#### Seminars:

International conference on “*Biomaterial-based Therapeutic Engineering and Regenerative Medicine*”, IIT Kanpur, India  
28 November - 1 December, 2019

A one-day seminar on “*Recent Developments in Biomedical Engineering*” organized by College of Biomedical Engineering and Applied Sciences (CBEAS) at Alfa House, New Baneshwor, Kathmandu, Nepal  
3 July, 2017

“*First National Conference of Medical Imaging Technology and Radiological Science*”, National Trauma Center, Kathmandu, Nepal  
3 July, 2017

#### Projects:

Research on “A comparative study of fish skin scaffold doped with silver nanoparticle and curcumin nanoparticle separated to treat burn wound.”  
2020 - 2021

“Design and development of obstacle detector using ultrasonic sensor (SONAR).”  
12 August, 2019

“Simulation of control system of wind turbine generator.”  
16 March, 2019

#### Training:

Human Cell-line culture, Annapurna Research Center  
2021

Engineering World Health (EWH) Remote Summer Institute program  
13 July - 17 August 2021

### SKILLS

Skilled in MS office, Matlab, C, Proteus, Eagle, SketchUp, TinkerCad, Arduino, Database management (SQL), SPSS, Scientific report writing, Research.

Basic knowledge in medical equipment such as haemodialysis, ventilator, patient monitor, X-ray, CT, MRI, etc.

Fast learner and critical thinking skill.

### ACHIEVEMENTS

An active member of Research Development Committee, College of Biomedical Engineering and Applied Sciences (CBEAS)

Participated in U-19 Boys National Chess Championship, Nepal- 2017

Gold medalist in chess, basketball, football, tug of war competition held inside college

1st ranking in Makwanpur PABSON Inter-School Chess Tournament - 2012

### AREA OF INTEREST

Medical Instrumentation

Robotics and prosthetics

Nanotechnology and Tissue engineering

Drug delivery and Regenerative Medicine

### LANGUAGES

Nepal (native)

English

Hindi