

# SAROJ BASNET

## Mechanical Engineering Student

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## PROFILE SUMMARY

I am a 4th-year student pursuing a Bachelor's in Mechanical Engineering, with a strong passion for design, simulations, and manufacturing processes. I am committed to innovative and effective problem-solving, focused on developing practical and creative engineering solutions. I am always eager to expand my knowledge and explore new frontiers in engineering and design, with a long-term vision of making impactful contributions to the industry.

## PROJECTS

### Design and Fabrication of Distillation Column for Alcohol Micro Distillery

#### Bachelor Final Year Project

📅 June 2024 – Present 📍 Pulchowk Campus

- Work in progress.

### Fabrication of Plastic Injection Molding Machine

#### Collaborated with a team of peers

📅 May 2022 – February 2023

- Built a plastic injection molding machine using local materials.
- Gained hands-on experience in manufacturing.

## EDUCATION

### Bachelor in Mechanical Engineering

#### IOE Pulchowk Campus (Tribhuvan University)

📅 May 2021 – May 2025 📍 Pulchowk, Lalitpur

- 8th Semester Running
- Percentage: \*\*\*

### SLC (NEB +2 Science)

#### Nepal Mega College

📅 2018 – 2020 📍 Babarmahal, Kathmandu

- GPA: 3.65/4.0

### SEE (NEB)

#### New Summit English Boarding School

📅 2018 📍 Dingla, Bhojpur

- GPA: 3.60/4.0

## EXPERIENCE

### Internship

#### Gorkha Brewery Pvt. Ltd.

📅 Sept – Oct 2024 📍 Mukundapur, Nawalpur

- Plant layout optimization
- Machine part documentation

## ACHIEVEMENTS



#### 3D Design Hackathon winner– MechTrix 2081

Design of a Modular, Versatile, Frugal, Small-Scale Agricultural Machine for Cash Crop Cultivation in Nepal



#### Best Engineering Award – MechTrix 2079

Plastic Injection Molding Machine



#### Secured 3rd Rank

IOE BE/BArch. Entrance Exam 2077



#### YouTube Community

Developed a YouTube community of over 9,700 subscribers.

## SKILLS

Teamwork

Time Management

Adaptability

Python

MATLAB

C Programming

ANSYS

HTML & CSS

SolidWorks

AutoCAD

Microsoft Excel, Word & PowerPoint

Scriptwriting: Comedy & Educational Content

Image Editing: GIMP, Canva

Adobe Premiere Pro

## LANGUAGES

Nepali

● ● ● ● ●

English

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Hindi

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## REFERENCES

Available upon request.