

## Bipul Panthi

Undergraduate in Mechanical Engineering

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## Skills

### Python



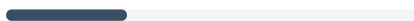
### C



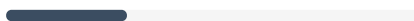
### MATLAB



### C++



### Micro-controllers



### Flutter



### English



### Japanese



## Education

04/2019 - 03/2023

**Undergraduate in Mechanical Engineering**

Tokyo Institute of Technology

04/2018 - 03/2019

**Japanese Language Studies**

Osaka University

## Interests

- ▶ Drummer
- ▶ Music
- ▶ Reading novels
- ▶ Gaming

## Career Goal

Enthusiastic and credentialed student interested in learning more and more new things. Interested in software development, web/app development and robotics. A self motivated self learner currently focusing on frontend of app and web development. My career goal is to work with software development.

## Work Experiences

### C/C++ Engineer

Enaspiration Inc.

07/2021 - today

Experience working as a part time developer with the micro controllers such as Arduino, STMicroelectronics and ESP-32 for the smart lock company. Experiences of developing and editing the firmware required for card detection door unlock systems. Also managed browser settings of the device using HTML and CSS.

### Part-time interpreter

Terilogy services

01/2021 - 07/2021

Experience working as a part time interpreter in this company. Interpretation in between Japanese-English-Nepali-Hindi languages.

## Awards and Grants

### MEXT Scholarship for Undergraduate Studies

By MEXT Japan

04/2018 - 03/2023

Awarded with the MEXT scholarship offered by Ministry of Education, Culture, Sports, Science and Technology for the undergraduate studies. The time period of the scholarship is from April 2018 to March 2023.

## Relevant Skills

- ▶ Web development experience with HTML, CSS and basic with FLutter
- ▶ Experience in data analysis and image processing in MATLAB
- ▶ Basic experience in data analysis, image processing using Python
- ▶ Gold rank in Hackerrank Python coding
- ▶ Experience in firmware development in C/C++ for the face detection and card detection devices and working with microelectronics in Linux distributions.
- ▶ Basic experience with ROS Noetic.

## Certifications

- ▶ MATLAB onramp
- ▶ Image Processing onramp in MATLAB
- ▶ Machine Learning onramp in MATLAB

## Miscellaneous and Projects

- ▶ Arduino controlled line tracing car
- ▶ Bluetooth controlled car with Arduino
- ▶ LCD screen menu navigation with STM32
- ▶ Various small projects with Arduino and STM32
- ▶ PortFolio website with HTML and CSS
- ▶ Quiz app with Flutter
- ▶ Tip calculation app with Flutter
- ▶ Movie rating and details app with Flutter
- ▶ Routine Efficiency app with Flutter (in progress)