

# Progress Report 6

**Name:** Mrityunjay Shukla

**Subsystem:** Coding

**Date Of Submission:** 17/01/2020

**Reporting Progress** from 11/01/2020 to 17/01/2020

## Progress in C/C++

- Practiced some questions of Greedy Algorithms on HackerRank
- Iterators basics

## Progress with Github

- Learned about Markdown language.

## Progress in Arduino(IDE)

- Learned about Motor Drivers

## Progress in Arduino(Hardware)

- Used my L298N motordriver to make my bot move forward and backward at an interval of 1 second.
- Used my L298N motordriver to make my bot avoid obstacles that come in it's way and keep going forward or in any other direction depending where the obstacle is.
- Gained knowledge about holonomic drives and omni wheels.

## Progress on other fronts

- Completed the Algorithm toolbox course on Coursera if you want proof I can send you my certificate on Whatsapp.

## Issues Faced

- When I added the external power source to my bot it went haywire because I made a tiny mistake in the code then I fixed it. I didn't see the mistake before because when I was powering it with the Arduino the motors were moving so slowly I couldn't tell if there was something wrong there.
- The algorithm toolbox course was a bit above my pay-grade so that's why I'm practicing its concepts before I move to next course in that particular specialization.