## Contact

madan.manan1@gmail.com

www.linkedin.com/in/manan-
madan-646950167 (LinkedIn)

### Top Skills

Programming
Algorithms
Python (Programming Language)

### Certifications

Arduino Programming
C++ and Data Structures
Data Structures
Algorithms On Graph
Algorithms and Data Structures

# Manan Madan

Research Intern at Netaji Subhas Institute of Technology
New Delhi, Delhi, India

## Summary

Commited and Detailed oriented engineer , I value learning about
new technologies , more than anything . I like developing algorithms
to solve real world problems and have done that in many of my
previous projects. I have used various graph algorithms to solve
problems in online learning , using other tool such as NLP and web
- scraping in my projects.I also have written several Path Planning
Algorithms for autonomous traversal.I also have a keen interest
in computer vision and have done many projects such as Lane
Detection , Feature Detection , Simulating Various Algorithms etc .
on OpenCV.

## Experience

### Netaji Subhas Institute of Technology
Research Intern
May 2020 - Present (1 month)

> Working on Analysing Un - Structured data to create ontologies using
Natural Language Processing.
> Applying various graph algorithms to get useful concepts and relationship
from the knowledge graph for further analysis.

### ARES Robotics Mars Rover NSIT
10 months

Senior Software Engineer
January 2020 - Present (5 months)

Coding ,Testing and Guiding Junior Members regarding Path Planning
Subsystems of the rover.Also coding and learning about Visual odometry for
state estimation of the rover.

Member
August 2019 - January 2020 (6 months)
Dwarka Area, India

Coding and Testing Various Path Planning Algorithms for autonomous
traversing of difficult terrain

## Education

**Netaji Subhas Institute of Technology**
Bachelor's degree, Instrumentation And Control Engineering · (2018 - 2022)

**Apeejay School**
Student