# Arjun Gandhi

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## EDUCATION

**Worcester Polytechnic Institute (WPI),** Worcester, MA — May 2021

- Bachelor of Science in Robotics Engineering

**Northview High School,** Johns Creek, GA — May 2018

## EXPERIENCE

**Vanderburgh House,** Intern — May 2020 – August 2020

- Using python data viz to determine the optimal location for new business ventures
- Working on initial sales calls to discover new franchises

**OFS Fitel,** Intern — May 2019 – July 2019

- Worked on redesigning and fixing a warehouse automation robot designed in the 90's
- Worked with python simulation, mechanical design and computer vision.

**Nock.AI,** Developer — October 2018 – March 2018

- Developed scalable cloud-based ingestion infrastructure in AWS for clickstream data.
- Worked on graph visualization techniques using d3, React, and node
- Designed automated Quality Assurance test execution software

**Foisie Innovation Studio,** Fitzgerald Rapid Prototyping Lab Assistant — October 2018 – January 2018

- Oversaw the use of various rapid prototyping machines
- Developed and managed processes for 3D printers, Laser Cutters, and PCB Fabrication machines

**FIRST INSPIRES WPILIB,** Software Development Intern — June 2018 – August 2018

- Created Graphic User Interface (GUI) Environment for Pathfinding Utility
- Re-designed and Updated existing APIs for FIRST Robotics Competition
- Attained experience with Gradle, IntelliJ, and Git

## PROJECTS

**Covefefe-19** – Building an API to help detect the spread of misinformation about covid-19 — March 2020

- Used web scraping and some BERT intelligence to determine if a piece of text was medically viable

**Jaspr** – Personal Project — April 2020 – Present

- A distributed personal assistant that automates parts of my life.

**RBE 3002** - Class Project — October 2019 – December 2019

- A ROS based robot that used, SLAM to find and explore its way around a maze

**RBE 3001** - Class Project — August 2019 – October 2019

- A Matlab based 3-DOF robot arm that used computer vision to find and sort colored orbs

**Makermap** – Intermediate Qualifying Project — August-2019 - May 2020

- Designing and building a tool to help WPI students find resources.

**Track Wiper** – Symbotic Warehouse Challenge — January 2018 – May 2018

- Designed and built a robot to clean a variety of warehouse spills from Symbotics proprietary tracks
- Worked with tight design constrictions of specific space layout, power consumption and speed requirements
- Received prize of $25,000 for second place in challenge

## SKILLS

**Programming:** Java, C++, Git, MongoDB, AWS, Puppeteer, Javascript, ROS, MATLAB, Python

**CAD:** Solidworks

**Fabrication:** CNC Machining, Laser Cutting, 3D Printing, Welding, Woodworking, Metalworking, PCB Creation

**Communication:** Microsoft Office, Excel, Technical Presentations

**Language:** English (native), Hindi (fluent)

**Athletics:** Underwater Hockey, MMA, Bouldering