

# Simant Shrestha

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## EDUCATION

### Virginia Polytechnic Institute and State University

Blacksburg, VA, USA

*Master's Of Engineering in Computer Science*

*Expected Graduation Date: May 2023*

- GPA: 4/4
- Software Engineering, Machine Learning and Data Analytics.

### Vellore Institute Of Technology

Vellore, TN, India

*Bachelors Technology in Information Technology*

*July 2020*

- GPA: 9.06/10
- Data Structures, OS, Programming Languages(Java & Python), DBMS, Web Development.
- Red Cross Society
- Merit Scholarship 2017, 2019, 2020

### Rochester Institute Of Technology

Rochester, NY, USA

*Semester Abroad Program for Capstone Project*

*May, 2020*

- Research Assistant for a project Omni-directional mobile robot design and implementation for eldercare using 4WD Omnidirectional Mobile platform
- Coded in C++ and arduino.

## CLASS EXPERIENCE

### Ice Cream Parlor Management System

2017

- Collaborated with the Professor about the requirements of the project. Gathered requirements.
- Constructed and formulated requirements considering the professor as a client.
- In this project I build a Point Of Sale(POS) and inventory management system.
- Coded front end with HTML, CSS and Javascript. Backend was coded in PHP and database with MySQL.
- Learned about requirement gathering and software development life cycle as a whole. Also learned concepts about how a website is developed and connected to the backend.
- Developed a fully working POS and inventory management system which could manage inventory as well as could be used to sell ice creams.
- Awarded as one of the best projects due to implantation of all the techniques learnt in class.

### IOT based GPS Tracking Application

2019

- Monitored the prevailing problem in my university where there was no bus tracking application.
- Decided to make a device which could be added to a bus and an application which could show where the buses are.
- Used Raspberry Pi with GPS tracker to make the device which can be installed in the bus.
- Coded in Java using Android Studio and used Firebase to keep the real time data that GPS tracker provides.
- Used Google Map API to show the current location of the bus.
- Developed fully working prototype with android application in which Raspberry Pi with GPS tracking will send the location to Firebase and then the android application will fetch the data from database and show in Google Map API.

## SKILLS & INTERESTS

**Skills:** Java, Python, PHP, R, Microsoft Office and MySQL

**Interests:** Flying my Drone, Making travel videos and watching TV-Series.