SALIL MONGA

salilmonga.github.io|monga.17@osu.edu|614-619-9209

SKILLS

• **Programming Languages:** C, C++, Matlab, Java

Databases: MySQL
Web Technologies: HTML, CSS

• Operating Systems and Tools: Kali Linux, Windows, Eclipse, Visual Code, Arduino.

Frameworks and others:
BurpSuite, Java Swings, Git, ReactJS.

EDUCATION

Ohio State University

Bachelor of Science in Computer Science and Engineering

Class of 2021

GPA: 3.5/4.0

PROJECTS

Domotics 2020

• Developed and designed a home automation device using **Google Home**.

 Created custom commands and server hosted on RaspberryPi that has a Python script running to take any commands that are available.

Infinite Numbers Calculator

2019

- Implemented a GUI based on JAVA and Swings framework to develop a calculator.
- Used a Natural Numbers Library to effectively removes the upper bounds to a number that can be entered.

Dictionary 2019

- Designed and developed a dictionary using Java and HTML.
- Used a text file with words and definitions to return a well-formatted HTML file.
- The file contains an alphabetical list of all the words and clicking on it reveals the definition which includes hyperlinks to the words already present in the dictionary.

Smart Home 2018

- Developed a home automation system using Arduino uno.
- Automated fans, lights and air conditioning which can be controlled by an android phone or could be set to an automatic trigger to surrounding conditions.
- Used temperature and light sensors and a Bluetooth module to support various controlling techniques.

Obstacle Avoidance Robot

2017

- Developed an **Arduino** based robot using ultra sonic sensors and scrap metal and a motor.
- Integrated 3 different **ultra-sonic** sensors to go through the obstacles quickly.

EXPERIENCE

Office of Distance Education and eLearning:

Ongoing

Student Technical Assistant at the Ohio State University:

- Ensured day-to-day functioning of the university in offline as well as online mode of learning.
- Troubleshoot technical issues within desktop, laptop, and mobile computing environments, including Windows, OSX, iOS, and Android.
- Solved problems related to network and hardware issues.

EXTRA-CURRICULAR

- Winner of National level Arduino based Coding competition in TechTatva'17.
- Organizer of National level Arduino based Coding competition in TechTatva'18.