SALIL MONGA

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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.

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