

# ADNAN SADAR

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## EDUCATION

**Vishwakarma Institute of Technology, Pune, India**  
*Bachelor of Technology in Information Technology, GPA:7.91*

Expected  
May 2022

**St. Marys' Junior College, Pune, India**  
*12th, 82.3%*

2016 -2018

**St. Marys' School, Pune, India**  
*10th, 91%*

2005 -2016

## SKILLS

**Languages:** Python, Java, C, Shell Scripting, PHP, CSS

**Databases:** SQL

**Tools:** Git

**Libraries/Frameworks:** OpenCV, Numpy, Pandas, Matplotlib

## EXPERIENCE

**Core Committee Member, REDX VIT**

September 2018 - April 2019

- Responsible for managing all social media handles like Twitter, Facebook and Instagram.
- At REDX the members identify global problems, come up with solutions and then implement a project for countering it.
- Was a part of the core committee which involved planning sessions for students and also helped with the technical work involved in these events.

## PROJECTS

**Home Automation Project**

September 2018 – December 2018

- Created an Android app which communicated with the **Arduino Uno** using the **bluetooth microcontroller**. where lights can be turned on/off by just clicking on the buttons in the **Android app**.
- Also added a voice module feature to this app which makes it convenient by just giving **voice commands** on your phone. All this can be done up to 20 feet range.

**Analyzing and Visualizing Rent Data**

February 2019

- Analyzed and Visualized the American Community Survey (ACS)'s latest batch of 1-year data using **Numpy, Pandas and Matplotlib**. The 2014 rent 1-year data was released in September. Downloaded the 2010 and 2014 rent data.
- Downloaded ACS median contract rent data and the annual estimates of resident population from 2010-2014 from the Census Bureau's American FactFinder Website.
- These data sets cover every U.S. metropolitan and micropolitan area for which the ACS gathers rent data. Some metro area names and IDs changed between 2010 and 2014, in which instances had to be mapped to one another.

**Home Security Project**

February 2019 – May 2019

- This is a home security system which uses Raspberry Pi 3, PIR sensor is used to detect the presence of an intruder using passive infrared rays. This triggers the Pi Camera which is also connected to the RPi. The Pi camera captures the image and stores it in the firebase. The user will receive an email containing pics of the intruder and also an alert on the Home Security Android app created.

**Avoid The Obstacle Game**

January 2020

- This is a basic game implemented in **Java** language mainly using **JFrame** testing OOP fundamental concepts. This project starts off right from the base by first selecting the player image then slowly building on to adjust the background image and adding enemies and detecting collision between the player and the enemy.

## ACTIVITIES

Navonmesh Top 3 Project in F.Y.    Social Work at Tayyabia Orphanage, IshaPrema Niketan    State-level Basketball Champions